

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY103019\
 Data File : VY000495.D
 Acq On : 30 Oct 2019 17:46
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/31/2019 11:31:57 AM

Quant Time: Oct 31 03:43:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 13:30:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	272189	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	447742	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	407220	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	209328	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	138631	49.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.44%	
35) Dibromofluoromethane	7.73	113	126074	47.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.92%	
50) Toluene-d8	10.18	98	518442	51.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.96%	
62) 4-Bromofluorobenzene	12.48	95	184917	48.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.40%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.90	85	140399	52.399	ug/l	99
3) Chloromethane	2.11	50	190083	51.498	ug/l	96
4) Vinyl Chloride	2.25	62	178446	52.062	ug/l	99
5) Bromomethane	2.65	94	103325	50.270	ug/l	99
6) Chloroethane	2.79	64	110634	51.573	ug/l	96
7) Trichlorofluoromethane	3.13	101	231007	49.905	ug/l	96
8) Diethyl Ether	3.54	74	84305	51.257	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.90	101	141724	50.643	ug/l	97
10) Methyl Iodide	4.10	142	190627	51.639	ug/l	99
11) Tert butyl alcohol	4.97	59	68355	249.291	ug/l	99
12) 1,1-Dichloroethene	3.88	96	137601	50.610	ug/l	96
13) Acrolein	3.74	56	59292	248.248	ug/l	98
14) Allyl chloride	4.49	41	238603	53.970	ug/l	98
15) Acrylonitrile	5.18	53	219070	260.006	ug/l	99
16) Acetone	3.96	43	208038	267.972	ug/l	99
17) Carbon Disulfide	4.19	76	442097	51.554	ug/l	97
18) Methyl Acetate	4.49	43	121159	50.192	ug/l	98
19) Methyl tert-butyl Ether	5.24	73	394809	52.227	ug/l	100
20) Methylene Chloride	4.72	84	159619	47.983	ug/l	96
21) trans-1,2-Dichloroethene	5.22	96	157525	51.248	ug/l	97
22) Diisopropyl ether	6.13	45	527675	54.913	ug/l	97
23) Vinyl Acetate	6.07	43	1647182	271.547	ug/l	99
24) 1,1-Dichloroethane	6.03	63	273402	52.519	ug/l	98
25) 2-Butanone	7.00	43	323457	261.064	ug/l	99
26) 2,2-Dichloropropane	6.99	77	237585	49.940	ug/l	97
27) cis-1,2-Dichloroethene	6.99	96	174195	51.827	ug/l	98
28) Bromochloromethane	7.35	49	119646	50.363	ug/l	95
29) Tetrahydrofuran	7.36	42	199805	263.606	ug/l	99
30) Chloroform	7.52	83	268485	50.983	ug/l	96
31) Cyclohexane	7.79	56	268093	49.169	ug/l	98
32) 1,1,1-Trichloroethane	7.71	97	237881	50.684	ug/l	99
36) 1,1-Dichloropropene	7.93	75	220800	52.165	ug/l	99
37) Ethyl Acetate	7.08	43	132078	52.558	ug/l	99
38) Carbon Tetrachloride	7.91	117	209352	51.402	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY103019\
 Data File : VY000495.D
 Acq On : 30 Oct 2019 17:46
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/31/2019 11:31:57 AM

Quant Time: Oct 31 03:43:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 13:30:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	282404	51.643	ug/l	96
40) Benzene	8.17	78	640596	51.622	ug/l	99
41) Methacrylonitrile	7.33	41	69390m	49.497	ug/l	
42) 1,2-Dichloroethane	8.25	62	186660	53.034	ug/l	100
43) Isopropyl Acetate	8.28	43	253399	53.679	ug/l	99
44) Trichloroethene	8.95	130	164381	50.240	ug/l	100
45) 1,2-Dichloropropane	9.22	63	162061	53.062	ug/l	93
46) Dibromomethane	9.31	93	87301	51.975	ug/l	100
47) Bromodichloromethane	9.50	83	212108	53.219	ug/l	97
48) Methyl methacrylate	9.30	41	113300	54.931	ug/l	96
49) 1,4-Dioxane	9.30	88	24907	1101.784	ug/l	97
51) 4-Methyl-2-Pentanone	10.08	43	675138	268.994	ug/l	98
52) Toluene	10.25	92	411202	52.412	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	234402	55.043	ug/l	100
54) cis-1,3-Dichloropropene	9.93	75	266529	54.632	ug/l	98
55) 1,1,2-Trichloroethane	10.65	97	131781	54.243	ug/l	94
56) Ethyl methacrylate	10.51	69	192164	55.807	ug/l	100
57) 1,3-Dichloropropane	10.79	76	229099	53.879	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.79	63	392990	252.450	ug/l	99
59) 2-Hexanone	10.83	43	500168	273.515	ug/l	100
60) Dibromochloromethane	10.99	129	146151	52.520	ug/l	100
61) 1,2-Dibromoethane	11.09	107	124733	53.398	ug/l	99
64) Tetrachloroethene	10.72	164	162222	48.177	ug/l	97
65) Chlorobenzene	11.52	112	432630	52.400	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	152799	53.363	ug/l	98
67) Ethyl Benzene	11.60	91	802330	52.802	ug/l	99
68) m/p-Xylenes	11.70	106	612253	104.104	ug/l	96
69) o-Xylene	12.03	106	289441	52.366	ug/l	99
70) Styrene	12.04	104	508415	53.717	ug/l	99
71) Bromoform	12.20	173	90278	54.815	ug/l #	98
73) Isopropylbenzene	12.33	105	784693	50.720	ug/l	100
74) N-amyl acetate	12.14	43	241413	54.485	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	161205	52.625	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	91130m	38.234	ug/l	
77) Bromobenzene	12.61	156	174904	49.854	ug/l	96
78) n-propylbenzene	12.67	91	951400	50.967	ug/l	100
79) 2-Chlorotoluene	12.75	91	531084	51.248	ug/l	97
80) 1,3,5-Trimethylbenzene	12.81	105	660842	51.288	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	59739	56.196	ug/l	94
82) 4-Chlorotoluene	12.85	91	564908	52.588	ug/l	98
83) tert-Butylbenzene	13.07	119	560352	50.933	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	664439	51.792	ug/l	99
85) sec-Butylbenzene	13.25	105	812414	51.831	ug/l	100
86) p-Isopropyltoluene	13.37	119	711389	50.924	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	344424	50.122	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	346170	50.413	ug/l	99
89) n-Butylbenzene	13.69	91	715680	51.942	ug/l	99
90) Hexachloroethane	13.96	117	137122	53.095	ug/l	96
91) 1,2-Dichlorobenzene	13.74	146	316234	50.721	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	26983	49.772	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY103019\
Data File : VY000495.D
Acq On : 30 Oct 2019 17:46
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA_Y/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

MMDadoda
10/31/2019 11:31:57 AM

Quant Time: Oct 31 03:43:32 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 13:30:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	216099	50.903	ug/l	99
94) Hexachlorobutadiene	15.11	225	109677	50.119	ug/l	98
95) Naphthalene	15.23	128	481890	51.133	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	195718	51.387	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

