

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120319\
 Data File : VY000850.D
 Acq On : 03 Dec 2019 19:38
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 12/4/2019 2:06:30 PM

Quant Time: Dec 04 02:42:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 27 12:40:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	281868	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	515196	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	472689	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	217461	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	160777	53.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.36%	
35) Dibromofluoromethane	7.73	113	146572	48.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.64%	
50) Toluene-d8	10.18	98	622012	51.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.64%	
62) 4-Bromofluorobenzene	12.48	95	219107	48.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	142433	46.942	ug/l	98
3) Chloromethane	2.11	50	191369	51.165	ug/l	98
4) Vinyl Chloride	2.25	62	189033	51.282	ug/l	98
5) Bromomethane	2.65	94	121504	55.504	ug/l	97
6) Chloroethane	2.79	64	120004	53.098	ug/l	97
7) Trichlorofluoromethane	3.13	101	266040	52.663	ug/l	97
8) Diethyl Ether	3.54	74	104341	54.878	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.91	101	161675	51.825	ug/l	98
10) Methyl Iodide	4.10	142	212351	54.064	ug/l	98
11) Tert butyl alcohol	4.97	59	80860	268.345	ug/l #	90
12) 1,1-Dichloroethene	3.88	96	162245	52.497	ug/l	98
13) Acrolein	3.74	56	65624	221.084	ug/l	98
14) Allyl chloride	4.49	41	298099	56.254	ug/l	98
15) Acrylonitrile	5.18	53	278808	283.976	ug/l	98
16) Acetone	3.96	43	195198	284.102	ug/l	98
17) Carbon Disulfide	4.20	76	517386	51.762	ug/l	99
18) Methyl Acetate	4.49	43	163023	56.746	ug/l	99
19) Methyl tert-butyl Ether	5.23	73	472187	57.209	ug/l	98
20) Methylene Chloride	4.72	84	195470	53.972	ug/l	98
21) trans-1,2-Dichloroethene	5.23	96	188718	53.724	ug/l	99
22) Diisopropyl ether	6.13	45	638599	58.633	ug/l	98
23) Vinyl Acetate	6.07	43	1954166	295.132	ug/l	99
24) 1,1-Dichloroethane	6.03	63	337573	56.234	ug/l	98
25) 2-Butanone	7.00	43	356734	281.070	ug/l	97
26) 2,2-Dichloropropane	6.99	77	262289	51.914	ug/l	98
27) cis-1,2-Dichloroethene	7.00	96	216274	56.958	ug/l	98
28) Bromochloromethane	7.35	49	135075	60.912	ug/l	94
29) Tetrahydrofuran	7.36	42	249473	296.625	ug/l	98
30) Chloroform	7.52	83	325950	54.127	ug/l	98
31) Cyclohexane	7.79	56	325498	51.185	ug/l	93
32) 1,1,1-Trichloroethane	7.71	97	276880	55.681	ug/l	99
36) 1,1-Dichloropropene	7.93	75	261217	50.993	ug/l	98
37) Ethyl Acetate	7.09	43	160482	54.256	ug/l	99
38) Carbon Tetrachloride	7.91	117	236179	51.771	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120319\
 Data File : VY000850.D
 Acq On : 03 Dec 2019 19:38
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 12/4/2019 2:06:30 PM

Quant Time: Dec 04 02:42:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 27 12:40:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	339837	50.073	ug/l	96
40) Benzene	8.17	78	794996	53.280	ug/l	98
41) Methacrylonitrile	7.33	41	84810m	54.402	ug/l	
42) 1,2-Dichloroethane	8.25	62	217820	55.508	ug/l	98
43) Isopropyl Acetate	8.28	43	301085	54.016	ug/l	98
44) Trichloroethene	8.95	130	204118	53.229	ug/l	90
45) 1,2-Dichloropropane	9.22	63	206804	55.178	ug/l	96
46) Dibromomethane	9.31	93	106707	54.490	ug/l	99
47) Bromodichloromethane	9.50	83	253212	55.042	ug/l	99
48) Methyl methacrylate	9.30	41	135250	55.180	ug/l	95
49) 1,4-Dioxane	9.30	88	30468	1098.053	ug/l	97
51) 4-Methyl-2-Pentanone	10.07	43	814702	282.886	ug/l	98
52) Toluene	10.25	92	492422	53.301	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	279938	56.640	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	320853	54.922	ug/l	98
55) 1,1,2-Trichloroethane	10.64	97	157621	54.479	ug/l	94
56) Ethyl methacrylate	10.51	69	241771	58.415	ug/l	99
57) 1,3-Dichloropropane	10.79	76	280258	55.578	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	410257	245.834	ug/l	100
59) 2-Hexanone	10.83	43	564140	268.822	ug/l	100
60) Dibromochloromethane	10.99	129	175281	56.277	ug/l	99
61) 1,2-Dibromoethane	11.09	107	151255	55.472	ug/l	100
64) Tetrachloroethene	10.72	164	214251	52.169	ug/l	98
65) Chlorobenzene	11.52	112	518264	52.747	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	183059	55.284	ug/l	99
67) Ethyl Benzene	11.59	91	951088	51.975	ug/l	99
68) m/p-Xylenes	11.70	106	711360	103.570	ug/l	100
69) o-Xylene	12.03	106	344222	53.750	ug/l	99
70) Styrene	12.04	104	597681	54.505	ug/l	99
71) Bromoform	12.20	173	100856	54.005	ug/l #	99
73) Isopropylbenzene	12.33	105	903351	52.172	ug/l	100
74) N-amyl acetate	12.14	43	266680	55.336	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	182453	53.480	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	133392m	54.141	ug/l	
77) Bromobenzene	12.61	156	204070	54.372	ug/l	99
78) n-propylbenzene	12.67	91	1100083	52.034	ug/l	99
79) 2-Chlorotoluene	12.75	91	614202	52.587	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	747598	52.148	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	69302	55.251	ug/l	97
82) 4-Chlorotoluene	12.85	91	640658	53.241	ug/l	99
83) tert-Butylbenzene	13.07	119	634446	52.638	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	758443	52.879	ug/l	99
85) sec-Butylbenzene	13.25	105	916620	52.290	ug/l	100
86) p-Isopropyltoluene	13.37	119	798722	52.386	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	387986	52.696	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	396489	54.387	ug/l	99
89) n-Butylbenzene	13.69	91	804123	52.164	ug/l	100
90) Hexachloroethane	13.96	117	152806	54.406	ug/l	98
91) 1,2-Dichlorobenzene	13.73	146	359602	54.298	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	31582	55.294	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120319\
Data File : VY000850.D
Acq On : 03 Dec 2019 19:38
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

MMDadoda
12/4/2019 2:06:30 PM

Quant Time: Dec 04 02:42:44 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 27 12:40:47 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	237866	53.078	ug/l	99
94) Hexachlorobutadiene	15.11	225	114147	51.374	ug/l	99
95) Naphthalene	15.23	128	572382	55.006	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	218080	54.481	ug/l	98

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

