

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112719\
 Data File : VY000810.D
 Acq On : 27 Nov 2019 11:17
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 12/2/2019 11:37:33 AM

Quant Time: Nov 27 12:12:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 27 12:00:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	318870	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	549444	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	491485	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	231910	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	67874	20.82	ug/l	0.00
Spiked Amount			Recovery	=	41.64%	
35) Dibromofluoromethane	7.73	113	67052	21.01	ug/l	0.00
Spiked Amount			Recovery	=	42.02%	
50) Toluene-d8	10.18	98	243050	19.99	ug/l	0.00
Spiked Amount			Recovery	=	39.98%	
62) 4-Bromofluorobenzene	12.48	95	101584	22.01	ug/l	0.00
Spiked Amount			Recovery	=	44.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	73079	23.072	ug/l	99
3) Chloromethane	2.12	50	91486	21.219	ug/l	93
4) Vinyl Chloride	2.25	62	87668	21.687	ug/l	98
5) Bromomethane	2.63	94	53026	21.649	ug/l	99
6) Chloroethane	2.79	64	52157	20.502	ug/l	96
7) Trichlorofluoromethane	3.13	101	118383	21.547	ug/l	93
8) Diethyl Ether	3.54	74	44016	22.267	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.90	101	72132	21.574	ug/l	98
10) Methyl Iodide	4.10	142	83539	21.099	ug/l	97
11) Tert butyl alcohol	4.97	59	36321	108.773	ug/l	99
12) 1,1-Dichloroethene	3.87	96	72418	22.479	ug/l	90
13) Acrolein	3.73	56	38943	134.867	ug/l	96
14) Allyl chloride	4.49	41	123157	22.974	ug/l	97
15) Acrylonitrile	5.18	53	113327	110.955	ug/l	99
16) Acetone	3.95	43	80897	92.323	ug/l	97
17) Carbon Disulfide	4.19	76	228938	22.203	ug/l	100
18) Methyl Acetate	4.49	43	61671	20.969	ug/l	99
19) Methyl tert-butyl Ether	5.24	73	186514	20.564	ug/l	99
20) Methylene Chloride	4.72	84	85175	21.373	ug/l	95
21) trans-1,2-Dichloroethene	5.23	96	79769	21.697	ug/l	98
22) Diisopropyl ether	6.13	45	254792	22.052	ug/l	99
23) Vinyl Acetate	6.07	43	805064	110.359	ug/l	99
24) 1,1-Dichloroethane	6.03	63	136830	21.793	ug/l	99
25) 2-Butanone	7.00	43	150325	102.039	ug/l	96
26) 2,2-Dichloropropane	6.99	77	117042	20.722	ug/l	98
27) cis-1,2-Dichloroethene	7.00	96	87037	21.624	ug/l	98
28) Bromochloromethane	7.34	49	32344	13.387	ug/l	92
29) Tetrahydrofuran	7.36	42	100159	109.405	ug/l	99
30) Chloroform	7.52	83	135649	21.576	ug/l	93
31) Cyclohexane	7.79	56	146117	22.250	ug/l	93
32) 1,1,1-Trichloroethane	7.72	97	114343	20.625	ug/l	98
36) 1,1-Dichloropropene	7.93	75	114416	21.711	ug/l	97
37) Ethyl Acetate	7.09	43	67248	21.302	ug/l	99
38) Carbon Tetrachloride	7.91	117	100473	20.101	ug/l	92

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112719\
 Data File : VY000810.D
 Acq On : 27 Nov 2019 11:17
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 12/2/2019 11:37:33 AM

Quant Time: Nov 27 12:12:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 27 12:00:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	147091	21.606	ug/l	98
40) Benzene	8.17	78	323770	20.939	ug/l	94
41) Methacrylonitrile	7.33	41	34670m	19.934	ug/l	
42) 1,2-Dichloroethane	8.25	62	86998	20.094	ug/l	99
43) Isopropyl Acetate	8.28	43	123067	20.772	ug/l	98
44) Trichloroethene	8.94	130	83435	20.539	ug/l	99
45) 1,2-Dichloropropane	9.22	63	81768	21.340	ug/l	91
46) Dibromomethane	9.31	93	41238	19.724	ug/l	98
47) Bromodichloromethane	9.50	83	98674	20.012	ug/l	96
48) Methyl methacrylate	9.30	41	52183	19.982	ug/l	93
49) 1,4-Dioxane	9.30	88	12282	428.768	ug/l #	82
51) 4-Methyl-2-Pentanone	10.07	43	328755	105.021	ug/l	98
52) Toluene	10.24	92	202975	20.807	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	107866	20.417	ug/l	100
54) cis-1,3-Dichloropropene	9.93	75	127112	20.921	ug/l	98
55) 1,1,2-Trichloroethane	10.64	97	61847	20.410	ug/l	94
56) Ethyl methacrylate	10.51	69	92165	21.337	ug/l	98
57) 1,3-Dichloropropane	10.79	76	111901	21.116	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.78	63	184831	98.657	ug/l	99
59) 2-Hexanone	10.83	43	234364	102.252	ug/l	97
60) Dibromochloromethane	10.99	129	66464	19.347	ug/l	100
61) 1,2-Dibromoethane	11.09	107	59408	20.443	ug/l	98
64) Tetrachloroethene	10.72	164	88033	21.419	ug/l	97
65) Chlorobenzene	11.52	112	206761	20.504	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	70096	20.205	ug/l	99
67) Ethyl Benzene	11.59	91	392519	21.207	ug/l	100
68) m/p-Xylenes	11.70	106	292625	41.138	ug/l	100
69) o-Xylene	12.03	106	138140	20.563	ug/l	98
70) Styrene	12.04	104	232653	20.268	ug/l	99
71) Bromoform	12.20	173	39158	19.602	ug/l #	98
73) Isopropylbenzene	12.33	105	368361	21.088	ug/l	100
74) N-amyl acetate	12.14	43	105627	21.106	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.58	83	74393	21.259	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	54400m	20.881	ug/l	
77) Bromobenzene	12.61	156	78490	19.873	ug/l	97
78) n-propylbenzene	12.67	91	455870	21.598	ug/l	100
79) 2-Chlorotoluene	12.75	91	248612	21.224	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	308137	21.246	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	26234	21.305	ug/l	93
82) 4-Chlorotoluene	12.85	91	257838	21.325	ug/l	99
83) tert-Butylbenzene	13.07	119	253253	20.473	ug/l	97
84) 1,2,4-Trimethylbenzene	13.12	105	313885	21.765	ug/l	99
85) sec-Butylbenzene	13.25	105	381390	21.669	ug/l	99
86) p-Isopropyltoluene	13.37	119	329246	21.019	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	161326	20.996	ug/l	97
88) 1,4-Dichlorobenzene	13.44	146	156906	20.417	ug/l	98
89) n-Butylbenzene	13.69	91	339414	21.890	ug/l	99
90) Hexachloroethane	13.95	117	60820	20.927	ug/l	98
91) 1,2-Dichlorobenzene	13.73	146	143183	20.522	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.35	75	12053	19.652	ug/l	99

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY112719\
Data File : VY000810.D
Acq On : 27 Nov 2019 11:17
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

MMDadoda
12/2/2019 11:37:33 AM

Quant Time: Nov 27 12:12:02 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 27 12:00:15 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	99309	20.811	ug/l	98
94) Hexachlorobutadiene	15.11	225	51389	21.275	ug/l	98
95) Naphthalene	15.23	128	231937	21.675	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	88414	20.812	ug/l	97

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

