

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111220\
 Data File : VD067615.D
 Acq On : 12 Nov 2020 09:51
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 11/16/2020 2:34:40 PM

Quant Time: Nov 13 00:37:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 00:56:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	356431	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	497932	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	459180	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	231111	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	139494	44.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.52%	
35) Dibromofluoromethane	7.91	113	150989	50.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.66%	
50) Toluene-d8	10.34	98	519190	49.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.50%	
62) 4-Bromofluorobenzene	12.64	95	185586	50.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	130838	44.882	ug/l	99
3) Chloromethane	2.21	50	90101	40.594	ug/l	95
4) Vinyl Chloride	2.35	62	101941	41.195	ug/l	100
5) Bromomethane	2.77	94	81432	40.600	ug/l	95
6) Chloroethane	2.92	64	68287	44.759	ug/l	95
7) Trichlorofluoromethane	3.27	101	286049	44.644	ug/l	92
8) Diethyl Ether	3.70	74	63324	49.047	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.10	101	153203	47.369	ug/l	100
10) Methyl Iodide	4.30	142	153981	44.420	ug/l	98
11) Tert butyl alcohol	5.21	59	42076	318.846	ug/l #	90
12) 1,1-Dichloroethene	4.07	96	141825	47.673	ug/l	94
13) Acrolein	3.91	56	37045	265.780	ug/l	93
14) Allyl chloride	4.71	41	155034	48.692	ug/l	96
15) Acrylonitrile	5.42	53	122320	256.299	ug/l	97
16) Acetone	4.15	43	137581	294.997	ug/l	99
17) Carbon Disulfide	4.41	76	412466	45.246	ug/l	99
18) Methyl Acetate	4.71	43	51880	53.831	ug/l	96
19) Methyl tert-butyl Ether	5.48	73	306365	52.208	ug/l #	91
20) Methylene Chloride	4.96	84	150558	45.700	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	164572	47.495	ug/l	97
22) Diisopropyl ether	6.36	45	319163	51.439	ug/l	97
23) Vinyl Acetate	6.30	43	889235	273.795	ug/l	100
24) 1,1-Dichloroethane	6.26	63	245044	48.276	ug/l	98
25) 2-Butanone	7.21	43	137813	276.544	ug/l	99
26) 2,2-Dichloropropane	7.21	77	257532	48.073	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	172800	48.046	ug/l	97
28) Bromochloromethane	7.55	49	96556	53.478	ug/l	96
29) Tetrahydrofuran	7.56	42	84312	282.444	ug/l	98
30) Chloroform	7.71	83	287156	47.420	ug/l	98
31) Cyclohexane	7.98	56	207194	45.837	ug/l	91
32) 1,1,1-Trichloroethane	7.90	97	292872	46.874	ug/l	99
36) 1,1-Dichloropropene	8.11	75	214458	50.316	ug/l	99
37) Ethyl Acetate	7.29	43	65072	58.806	ug/l #	95
38) Carbon Tetrachloride	8.10	117	278120	50.222	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	257201	51.271	ug/l	98
40) Benzene	8.35	78	595925	51.616	ug/l	97
41) Methacrylonitrile	7.53	41	39428	59.610	ug/l #	84
42) 1,2-Dichloroethane	8.43	62	179536	50.331	ug/l	100
43) Isopropyl Acetate	8.46	43	122661	56.050	ug/l	100
44) Trichloroethene	9.11	130	191379	50.413	ug/l	96
45) 1,2-Dichloropropane	9.39	63	131366	52.627	ug/l	100
46) Dibromomethane	9.48	93	82441	51.943	ug/l	96
47) Bromodichloromethane	9.67	83	224340	52.004	ug/l	99
48) Methyl methacrylate	9.46	41	66491	58.845	ug/l	98
49) 1,4-Dioxane	9.46	88	18016	1118.159	ug/l	91
51) 4-Methyl-2-Pentanone	10.23	43	310251	296.432	ug/l	100
52) Toluene	10.41	92	408012	52.762	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	199557	54.013	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	226308	51.555	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	111483	53.088	ug/l	99
56) Ethyl methacrylate	10.66	69	122781	56.618	ug/l	97
57) 1,3-Dichloropropane	10.95	76	182054	53.874	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	310100	306.643	ug/l	99
59) 2-Hexanone	10.98	43	237774	324.919	ug/l	99
60) Dibromochloromethane	11.14	129	167619	53.959	ug/l	100
61) 1,2-Dibromoethane	11.25	107	112024	53.152	ug/l	98
64) Tetrachloroethene	10.88	164	166312	48.906	ug/l	95
65) Chlorobenzene	11.67	112	446840	50.519	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.74	131	176846	50.728	ug/l	99
67) Ethyl Benzene	11.75	91	791008	52.261	ug/l	98
68) m/p-Xylenes	11.86	106	610241	103.634	ug/l	99
69) o-Xylene	12.18	106	274810	52.272	ug/l	98
70) Styrene	12.20	104	471634	51.483	ug/l	100
71) Bromoform	12.36	173	98952	55.655	ug/l #	99
73) Isopropylbenzene	12.48	105	788916	52.819	ug/l	99
74) N-amyl acetate	12.29	43	112027	57.000	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.73	83	111679	54.832	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	81947m	58.777	ug/l	
77) Bromobenzene	12.77	156	185710	50.627	ug/l	99
78) n-propylbenzene	12.83	91	898999	52.621	ug/l	100
79) 2-Chlorotoluene	12.91	91	502727	51.802	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	679144	53.227	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	36420	53.036	ug/l	94
82) 4-Chlorotoluene	13.01	91	538800	51.766	ug/l	99
83) tert-Butylbenzene	13.23	119	586318	54.220	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	670302	52.777	ug/l	99
85) sec-Butylbenzene	13.40	105	770051	52.751	ug/l	98
86) p-Isopropyltoluene	13.52	119	746007	52.921	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	358297	51.190	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	354067	49.957	ug/l	99
89) n-Butylbenzene	13.85	91	647838	53.205	ug/l	99
90) Hexachloroethane	14.11	117	133606	50.329	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	315969	52.160	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	19674	54.557	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	216867	52.746	ug/l	99
94) Hexachlorobutadiene	15.27	225	135133	49.109	ug/l	99
95) Naphthalene	15.40	128	352299	55.524	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	188212	53.457	ug/l	99

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

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