

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070820\
 Data File : VD065935.D
 Acq On : 08 Jul 2020 11:47
 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
 7/9/2020 10:48:13 AM

Quant Time: Jul 09 01:27:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D070720S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 08 09:45:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	431379	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	640314	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	582266	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	287084	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	178961	46.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.62%	
35) Dibromofluoromethane	7.91	113	190362	48.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.38%	
50) Toluene-d8	10.34	98	709739	49.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.50%	
62) 4-Bromofluorobenzene	12.63	95	247130	49.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.98	85	160273	41.792	ug/l	96
3) Chloromethane	2.21	50	155017	40.776	ug/l	94
4) Vinyl Chloride	2.35	62	148653	42.586	ug/l	99
5) Bromomethane	2.77	94	94663	42.812	ug/l	97
6) Chloroethane	2.93	64	90450	43.347	ug/l	90
7) Trichlorofluoromethane	3.27	101	334103	44.658	ug/l	95
8) Diethyl Ether	3.70	74	94107	45.851	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	202693	45.294	ug/l	97
10) Methyl Iodide	4.30	142	224650	47.779	ug/l	100
11) Tert butyl alcohol	5.21	59	57854	240.002	ug/l	99
12) 1,1-Dichloroethene	4.06	96	190969	45.679	ug/l	96
13) Acrolein	3.91	56	45176	233.840	ug/l	96
14) Allyl chloride	4.71	41	319940	45.159	ug/l	98
15) Acrylonitrile	5.41	53	210380	234.111	ug/l	99
16) Acetone	4.15	43	248480	277.336	ug/l	98
17) Carbon Disulfide	4.40	76	597906	44.885	ug/l	99
18) Methyl Acetate	4.71	43	91849	43.734	ug/l	97
19) Methyl tert-butyl Ether	5.47	73	420191	47.474	ug/l	99
20) Methylene Chloride	4.96	84	230052	45.909	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	215089	45.728	ug/l	98
22) Diisopropyl ether	6.36	45	619742	46.547	ug/l	98
23) Vinyl Acetate	6.30	43	1815510	238.893	ug/l	99
24) 1,1-Dichloroethane	6.26	63	362006	45.598	ug/l	98
25) 2-Butanone	7.21	43	287744	243.044	ug/l	100
26) 2,2-Dichloropropane	7.20	77	326223	46.970	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	234137	46.328	ug/l	99
28) Bromochloromethane	7.54	49	138677	46.239	ug/l	98
29) Tetrahydrofuran	7.56	42	174590	231.912	ug/l	100
30) Chloroform	7.71	83	368045	45.728	ug/l	98
31) Cyclohexane	7.98	56	345809	44.270	ug/l	95
32) 1,1,1-Trichloroethane	7.90	97	342002	46.563	ug/l	100
36) 1,1-Dichloropropene	8.11	75	301465	47.670	ug/l	98
37) Ethyl Acetate	7.29	43	117684	44.413	ug/l	97
38) Carbon Tetrachloride	8.10	117	315423	46.534	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	377285	48.594	ug/l	98
40) Benzene	8.35	78	820115	46.942	ug/l	100
41) Methacrylonitrile	7.53	41	81912	53.244	ug/l	91
42) 1,2-Dichloroethane	8.42	62	226072	45.677	ug/l	100
43) Isopropyl Acetate	8.45	43	234508	47.547	ug/l	97
44) Trichloroethene	9.11	130	241106	46.969	ug/l	99
45) 1,2-Dichloropropane	9.38	63	201695	46.514	ug/l	100
46) Dibromomethane	9.47	93	105564	46.760	ug/l	98
47) Bromodichloromethane	9.66	83	280712	46.355	ug/l	98
48) Methyl methacrylate	9.46	41	120667	48.598	ug/l	98
49) 1,4-Dioxane	9.46	88	25681	957.382	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	602256	241.526	ug/l	99
52) Toluene	10.40	92	527017	47.415	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	270010	47.420	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	326102	47.396	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	148518	47.748	ug/l	97
56) Ethyl methacrylate	10.66	69	186050	48.973	ug/l	97
57) 1,3-Dichloropropane	10.95	76	254831	46.847	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	439984	239.136	ug/l	98
59) 2-Hexanone	10.98	43	435115	253.725	ug/l	100
60) Dibromochloromethane	11.14	129	201648	47.451	ug/l	98
61) 1,2-Dibromoethane	11.25	107	143506	46.274	ug/l	99
64) Tetrachloroethene	10.87	164	199349	47.078	ug/l	98
65) Chlorobenzene	11.67	112	557945	47.550	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	211390	48.167	ug/l	99
67) Ethyl Benzene	11.74	91	1002462	48.091	ug/l	100
68) m/p-Xylenes	11.85	106	775771	97.954	ug/l	99
69) o-Xylene	12.18	106	354309	49.111	ug/l	99
70) Styrene	12.20	104	608640	48.871	ug/l	100
71) Bromoform	12.36	173	119432	48.093	ug/l #	100
73) Isopropylbenzene	12.48	105	972730	48.550	ug/l	98
74) N-amyl acetate	12.29	43	213467	47.480	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	160437	48.232	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	108986m	45.255	ug/l	
77) Bromobenzene	12.76	156	234614	48.279	ug/l	99
78) n-propylbenzene	12.82	91	1140218	48.541	ug/l	99
79) 2-Chlorotoluene	12.91	91	639803	48.012	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	797677	48.675	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	56088	50.043	ug/l	96
82) 4-Chlorotoluene	13.01	91	662436	47.380	ug/l	99
83) tert-Butylbenzene	13.23	119	692075	49.568	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	789207	48.379	ug/l	99
85) sec-Butylbenzene	13.40	105	965164	48.778	ug/l	99
86) p-Isopropyltoluene	13.52	119	902459	49.865	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	431659	47.470	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	429029	47.292	ug/l	100
89) n-Butylbenzene	13.84	91	833840	49.063	ug/l	100
90) Hexachloroethane	14.11	117	174278	47.753	ug/l	96
91) 1,2-Dichlorobenzene	13.89	146	377770	47.532	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	25399	45.665	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	277326	48.960	ug/l	100
94) Hexachlorobutadiene	15.27	225	169970	49.607	ug/l	99
95) Naphthalene	15.40	128	470958	49.575	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	237197	48.548	ug/l	99

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

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