

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082420\
 Data File : VD066372.D
 Acq On : 24 Aug 2020 10:31
 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
 8/25/2020 3:32:51 PM

Quant Time: Aug 25 03:19:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 13:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	202928	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	275419	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	254707	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	133020	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	108001	54.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.58%	
35) Dibromofluoromethane	7.91	113	91240	52.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.96%	
50) Toluene-d8	10.34	98	342993	54.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.86%	
62) 4-Bromofluorobenzene	12.63	95	119444	53.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	79178	45.895	ug/l	99
3) Chloromethane	2.20	50	56067	45.848	ug/l	97
4) Vinyl Chloride	2.35	62	61268	46.664	ug/l	98
5) Bromomethane	2.77	94	48561	49.448	ug/l	96
6) Chloroethane	2.92	64	41915	49.856	ug/l	97
7) Trichlorofluoromethane	3.27	101	180285	50.496	ug/l	99
8) Diethyl Ether	3.71	74	37995	47.497	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.10	101	84762	48.106	ug/l	99
10) Methyl Iodide	4.29	142	86463	43.025	ug/l	97
11) Tert butyl alcohol	5.22	59	29359	259.020	ug/l #	88
12) 1,1-Dichloroethene	4.07	96	77235	46.698	ug/l	86
13) Acrolein	3.91	56	17817	201.672	ug/l	92
14) Allyl chloride	4.71	41	100998	45.751	ug/l	96
15) Acrylonitrile	5.42	53	76510	238.380	ug/l	98
16) Acetone	4.14	43	107084	298.555	ug/l	91
17) Carbon Disulfide	4.41	76	233721	46.629	ug/l	99
18) Methyl Acetate	4.71	43	31078	46.166	ug/l	97
19) Methyl tert-butyl Ether	5.47	73	202097	50.746	ug/l	97
20) Methylene Chloride	4.96	84	86948	44.692	ug/l #	93
21) trans-1,2-Dichloroethene	5.47	96	91338	47.442	ug/l	97
22) Diisopropyl ether	6.35	45	200132	46.824	ug/l	94
23) Vinyl Acetate	6.30	43	648192	244.974	ug/l	98
24) 1,1-Dichloroethane	6.27	63	142892	47.308	ug/l	99
25) 2-Butanone	7.20	43	105091	258.092	ug/l	98
26) 2,2-Dichloropropane	7.20	77	164137	50.702	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	99698	48.328	ug/l	100
28) Bromochloromethane	7.54	49	54822	52.692	ug/l #	1
29) Tetrahydrofuran	7.56	42	54601	236.086	ug/l	97
30) Chloroform	7.71	83	172492	49.359	ug/l	96
31) Cyclohexane	7.97	56	120236	43.525	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	180629	50.503	ug/l	99
36) 1,1-Dichloropropene	8.11	75	127645	50.793	ug/l	99
37) Ethyl Acetate	7.28	43	41505	48.560	ug/l #	94
38) Carbon Tetrachloride	8.09	117	175264	53.531	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	149920	50.644	ug/l	92
40) Benzene	8.34	78	338120	51.145	ug/l	95
41) Methacrylonitrile	7.54	41	28968m	54.959	ug/l	
42) 1,2-Dichloroethane	8.42	62	125093	53.725	ug/l	99
43) Isopropyl Acetate	8.44	43	83933	48.925	ug/l	97
44) Trichloroethene	9.11	130	107965	50.259	ug/l	99
45) 1,2-Dichloropropane	9.38	63	74040	49.401	ug/l	99
46) Dibromomethane	9.47	93	49264	52.793	ug/l	100
47) Bromodichloromethane	9.66	83	134451	52.393	ug/l	99
48) Methyl methacrylate	9.45	41	45495	51.427	ug/l	95
49) 1,4-Dioxane	9.46	88	11355	1047.960	ug/l	92
51) 4-Methyl-2-Pentanone	10.23	43	213714	257.515	ug/l	100
52) Toluene	10.40	92	230120	51.378	ug/l	95
53) t-1,3-Dichloropropene	10.61	75	125452	51.520	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	139444	51.018	ug/l	94
55) 1,1,2-Trichloroethane	10.80	97	63476	50.247	ug/l	96
56) Ethyl methacrylate	10.66	69	74983	51.274	ug/l	92
57) 1,3-Dichloropropane	10.94	76	106688	51.057	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	160988	265.058	ug/l	97
59) 2-Hexanone	10.98	43	164484	280.982	ug/l	98
60) Dibromochloromethane	11.14	129	100744	52.907	ug/l	96
61) 1,2-Dibromoethane	11.24	107	63179	50.820	ug/l	99
64) Tetrachloroethene	10.87	164	98658	51.060	ug/l	96
65) Chlorobenzene	11.67	112	256229	50.564	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	108023	52.163	ug/l	98
67) Ethyl Benzene	11.74	91	456878	51.220	ug/l	96
68) m/p-Xylenes	11.85	106	350552	103.107	ug/l	96
69) o-Xylene	12.18	106	161165	50.955	ug/l	99
70) Styrene	12.19	104	274155	50.481	ug/l	96
71) Bromoform	12.36	173	60777	51.729	ug/l #	97
73) Isopropylbenzene	12.48	105	455019	51.063	ug/l	100
74) N-amyl acetate	12.29	43	79590	49.453	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	62294	48.937	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	44359m	47.402	ug/l	
77) Bromobenzene	12.76	156	118630	52.452	ug/l	97
78) n-propylbenzene	12.82	91	519232	50.819	ug/l	98
79) 2-Chlorotoluene	12.91	91	295287	50.602	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	394798	51.314	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.53	75	21338	48.401	ug/l	89
82) 4-Chlorotoluene	13.00	91	317170	51.301	ug/l	100
83) tert-Butylbenzene	13.23	119	344000	51.476	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	401351	53.110	ug/l	100
85) sec-Butylbenzene	13.40	105	443920	50.700	ug/l	100
86) p-Isopropyltoluene	13.52	119	443130	52.487	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	213875	50.659	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	215281	50.785	ug/l	99
89) n-Butylbenzene	13.84	91	387924	52.069	ug/l	98
90) Hexachloroethane	14.11	117	82052	49.199	ug/l	100
91) 1,2-Dichlorobenzene	13.89	146	192997	53.102	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	13698	51.307	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	148380	52.295	ug/l	99
94) Hexachlorobutadiene	15.27	225	91378	51.824	ug/l	98
95) Naphthalene	15.40	128	239133	53.660	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	132363	54.457	ug/l	98

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

