

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071620\
 Data File : VD065951.D
 Acq On : 16 Jul 2020 12:04
 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

Quant Time: Jul 17 03:47:31 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

7/17/2020 4:43:37 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	378554	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	546462	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	498168	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	250360	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	142254	42.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.80%	
35) Dibromofluoromethane	7.91	113	154413	45.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.62%	
50) Toluene-d8	10.34	98	571529	46.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.94%	
62) 4-Bromofluorobenzene	12.63	95	200381	47.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	150411	44.694	ug/l	96
3) Chloromethane	2.21	50	137042	41.078	ug/l	96
4) Vinyl Chloride	2.35	62	132512	43.259	ug/l	95
5) Bromomethane	2.77	94	84856	43.732	ug/l	95
6) Chloroethane	2.92	64	80719	44.082	ug/l	89
7) Trichlorofluoromethane	3.27	101	327605	49.900	ug/l	99
8) Diethyl Ether	3.71	74	88312	49.032	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	204752	52.139	ug/l	97
10) Methyl Iodide	4.30	142	219825	52.987	ug/l	99
11) Tert butyl alcohol	5.21	59	52293	247.979	ug/l	100
12) 1,1-Dichloroethene	4.07	96	186309	50.783	ug/l	98
13) Acrolein	3.91	56	39777	234.731	ug/l	98
14) Allyl chloride	4.71	41	306208	49.252	ug/l	98
15) Acrylonitrile	5.42	53	197780	250.802	ug/l	98
16) Acetone	4.16	43	224729	285.828	ug/l #	89
17) Carbon Disulfide	4.41	76	560505	47.949	ug/l	100
18) Methyl Acetate	4.72	43	84412	45.801	ug/l	97
19) Methyl tert-butyl Ether	5.47	73	404034	52.019	ug/l	99
20) Methylene Chloride	4.96	84	242055	57.153	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	211528	51.246	ug/l	93
22) Diisopropyl ether	6.36	45	585999	50.155	ug/l	98
23) Vinyl Acetate	6.30	43	1691181	253.586	ug/l	99
24) 1,1-Dichloroethane	6.26	63	351208	50.411	ug/l	98
25) 2-Butanone	7.21	43	264485	254.573	ug/l	99
26) 2,2-Dichloropropane	7.20	77	324399	53.226	ug/l	100
27) cis-1,2-Dichloroethene	7.20	96	227885	51.383	ug/l	97
28) Bromochloromethane	7.54	49	118575	45.054	ug/l	95
29) Tetrahydrofuran	7.56	42	156950	237.572	ug/l	97
30) Chloroform	7.71	83	356617	50.491	ug/l	93
31) Cyclohexane	7.98	56	331451	48.353	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	337928	52.428	ug/l	100
36) 1,1-Dichloropropene	8.11	75	291972	54.098	ug/l	99
37) Ethyl Acetate	7.29	43	111335	49.233	ug/l #	94
38) Carbon Tetrachloride	8.10	117	314594	54.383	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	363661	54.883	ug/l	97
40) Benzene	8.35	78	798593	53.560	ug/l	100
41) Methacrylonitrile	7.53	41	61296m	46.686	ug/l	
42) 1,2-Dichloroethane	8.42	62	214368	50.750	ug/l	99
43) Isopropyl Acetate	8.45	43	219401	52.123	ug/l	97
44) Trichloroethene	9.11	130	240902	54.989	ug/l	97
45) 1,2-Dichloropropane	9.39	63	196166	53.008	ug/l	100
46) Dibromomethane	9.48	93	101211	52.532	ug/l	94
47) Bromodichloromethane	9.66	83	273710	52.961	ug/l	100
48) Methyl methacrylate	9.46	41	102321	48.287	ug/l	89
49) 1,4-Dioxane	9.46	88	22931	1001.681	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	549298	258.121	ug/l	98
52) Toluene	10.40	92	528512	55.716	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	263424	54.208	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	309874	52.772	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	143764	54.158	ug/l	98
56) Ethyl methacrylate	10.66	69	181520	55.986	ug/l	95
57) 1,3-Dichloropropane	10.95	76	245794	52.946	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	368366	234.596	ug/l	99
59) 2-Hexanone	10.98	43	406083	277.465	ug/l	100
60) Dibromochloromethane	11.14	129	196083	54.066	ug/l	100
61) 1,2-Dibromoethane	11.25	107	140648	53.141	ug/l	100
64) Tetrachloroethene	10.88	164	207731	57.340	ug/l	96
65) Chlorobenzene	11.67	112	554247	55.209	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	208626	55.562	ug/l	100
67) Ethyl Benzene	11.74	91	988777	55.442	ug/l	97
68) m/p-Xylenes	11.86	106	769600	113.580	ug/l	97
69) o-Xylene	12.18	106	354625	57.453	ug/l	97
70) Styrene	12.20	104	604724	56.754	ug/l	100
71) Bromoform	12.37	173	116839	54.991	ug/l #	100
73) Isopropylbenzene	12.48	105	973746	55.729	ug/l	97
74) N-amyl acetate	12.29	43	198733	50.687	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	149265	51.456	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	103169m	49.124	ug/l	
77) Bromobenzene	12.76	156	237650	56.077	ug/l	96
78) n-propylbenzene	12.83	91	1142002	55.748	ug/l	99
79) 2-Chlorotoluene	12.91	91	640372	55.103	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	807494	56.501	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	51456	52.645	ug/l	98
82) 4-Chlorotoluene	13.01	91	664238	54.478	ug/l	98
83) tert-Butylbenzene	13.23	119	710371	58.342	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	792571	55.712	ug/l	98
85) sec-Butylbenzene	13.40	105	992956	57.544	ug/l	99
86) p-Isopropyltoluene	13.52	119	910439	57.685	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	439610	55.436	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	438216	55.391	ug/l	99
89) n-Butylbenzene	13.84	91	849414	57.311	ug/l	100
90) Hexachloroethane	14.11	117	177335	55.718	ug/l	96
91) 1,2-Dichlorobenzene	13.89	146	386218	55.723	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	25563	52.701	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	292828	59.280	ug/l	97
94) Hexachlorobutadiene	15.27	225	183265	61.333	ug/l	98
95) Naphthalene	15.40	128	474417	57.264	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	249520	58.561	ug/l	100

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

