

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120120\
 Data File : VD067828.D
 Acq On : 01 Dec 2020 11:01
 Operator : VA/SY
 Sample : VSTDIC010
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 12/2/2020 12:23:56 PM

Quant Time: Dec 02 03:59:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120120S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 02 03:45:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	233943	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	336399	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	307118	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	158679	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	25930	10.32	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	20.64%#
35) Dibromofluoromethane	7.91	113	22528	10.01	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	20.02%#
50) Toluene-d8	10.34	98	84787	10.46	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	20.92%#
62) 4-Bromofluorobenzene	12.63	95	29440	10.51	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	21.02%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	21501	10.561	ug/l	97
3) Chloromethane	2.21	50	12767	10.866	ug/l	97
4) Vinyl Chloride	2.35	62	15678	10.595	ug/l	98
5) Bromomethane	2.77	94	13131	9.940	ug/l #	70
6) Chloroethane	2.93	64	9752	10.122	ug/l #	86
7) Trichlorofluoromethane	3.28	101	46957	10.370	ug/l	90
8) Diethyl Ether	3.71	74	9352	10.596	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	4.10	101	21372	10.350	ug/l	97
10) Methyl Iodide	4.31	142	19024	8.692	ug/l	95
11) Tert butyl alcohol	5.20	59	12096	62.224	ug/l #	79
12) 1,1-Dichloroethene	4.07	96	19720	10.173	ug/l	91
13) Acrolein	3.93	56	4728	54.281	ug/l	98
14) Allyl chloride	4.71	41	17497	9.757	ug/l	93
15) Acrylonitrile	5.43	53	14227	46.489	ug/l #	91
16) Acetone	4.16	43	14462	47.105	ug/l #	63
17) Carbon Disulfide	4.41	76	56085	10.362	ug/l	98
18) Methyl Acetate	4.72	43	5761	9.126	ug/l #	73
19) Methyl tert-butyl Ether	5.47	73	39925	9.618	ug/l	95
20) Methylene Chloride	4.97	84	27211	11.544	ug/l	99
21) trans-1,2-Dichloroethene	5.47	96	22950	10.404	ug/l #	83
22) Diisopropyl ether	6.36	45	36633	10.156	ug/l #	88
23) Vinyl Acetate	6.30	43	96343	48.013	ug/l	100
24) 1,1-Dichloroethane	6.26	63	33265	10.521	ug/l #	90
25) 2-Butanone	7.22	43	16404	50.255	ug/l	99
26) 2,2-Dichloropropane	7.21	77	40706	10.796	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	25606	10.613	ug/l	99
28) Bromochloromethane	7.55	49	10724	10.683	ug/l	85
29) Tetrahydrofuran	7.57	42	8702	50.928	ug/l #	86
30) Chloroform	7.71	83	46188	10.931	ug/l	97
31) Cyclohexane	7.99	56	27903	10.545	ug/l #	86
32) 1,1,1-Trichloroethane	7.91	97	44636	10.007	ug/l	96
36) 1,1-Dichloropropene	8.12	75	29991	10.298	ug/l	98
37) Ethyl Acetate	7.29	43	7129	10.484	ug/l	96
38) Carbon Tetrachloride	8.10	117	45729	10.378	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	34960	10.130	ug/l	95
40) Benzene	8.36	78	84422	10.594	ug/l	98
41) Methacrylonitrile	7.52	41	2965	7.770	ug/l #	70
42) 1,2-Dichloroethane	8.43	62	29702	10.458	ug/l	99
43) Isopropyl Acetate	8.46	43	14917	9.659	ug/l	97
44) Trichloroethene	9.11	130	28781	10.505	ug/l	100
45) 1,2-Dichloropropane	9.38	63	17124	10.470	ug/l	99
46) Dibromomethane	9.48	93	11838	10.411	ug/l	100
47) Bromodichloromethane	9.66	83	33818	10.432	ug/l	86
48) Methyl methacrylate	9.46	41	7502	9.567	ug/l	98
49) 1,4-Dioxane	9.46	88	2339	180.015	ug/l	93
51) 4-Methyl-2-Pentanone	10.23	43	36660	50.156	ug/l	100
52) Toluene	10.41	92	57474	10.316	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	28150	10.061	ug/l	96
54) cis-1,3-Dichloropropene	10.10	75	30185	9.918	ug/l	94
55) 1,1,2-Trichloroethane	10.80	97	16006	10.285	ug/l	97
56) Ethyl methacrylate	10.67	69	15102	9.538	ug/l	95
57) 1,3-Dichloropropane	10.96	76	26407	10.713	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.94	63	30730	42.653	ug/l	99
59) 2-Hexanone	10.99	43	24483	47.516	ug/l	97
60) Dibromochloromethane	11.14	129	25373	10.816	ug/l	90
61) 1,2-Dibromoethane	11.25	107	15779	10.311	ug/l	99
64) Tetrachloroethene	10.88	164	26361	10.523	ug/l	88
65) Chlorobenzene	11.67	112	66783	10.539	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	27314	10.568	ug/l	94
67) Ethyl Benzene	11.75	91	112640	10.434	ug/l	98
68) m/p-Xylenes	11.86	106	89450	21.014	ug/l	99
69) o-Xylene	12.18	106	37993	10.054	ug/l	97
70) Styrene	12.20	104	66409	10.106	ug/l	98
71) Bromoform	12.36	173	13585	9.929	ug/l #	89
73) Isopropylbenzene	12.48	105	110557	10.131	ug/l	98
74) N-amyl acetate	12.29	43	12722	9.425	ug/l #	96
75) 1,1,2,2-Tetrachloroethane	12.73	83	14910	10.349	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	11634m	9.859	ug/l	
77) Bromobenzene	12.76	156	27959	10.306	ug/l	94
78) n-propylbenzene	12.83	91	124567	10.299	ug/l	100
79) 2-Chlorotoluene	12.91	91	73253	10.295	ug/l	97
80) 1,3,5-Trimethylbenzene	12.96	105	99248	10.505	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	4754	9.841	ug/l	96
82) 4-Chlorotoluene	13.01	91	80164	10.562	ug/l	100
83) tert-Butylbenzene	13.23	119	80058	9.958	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	96325	10.253	ug/l	98
85) sec-Butylbenzene	13.40	105	110060	10.257	ug/l	100
86) p-Isopropyltoluene	13.52	119	108447	10.312	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	55585	10.622	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	55452	10.592	ug/l	97
89) n-Butylbenzene	13.84	91	88473	10.126	ug/l	99
90) Hexachloroethane	14.11	117	20371	10.492	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	47617	10.491	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	3271	10.879	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	31898	10.047	ug/l	99
94) Hexachlorobutadiene	15.27	225	21492	10.374	ug/l	95
95) Naphthalene	15.40	128	47559	9.206	ug/l	95
96) 1,2,3-Trichlorobenzene	15.60	180	25884	9.441	ug/l	98

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

