

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041520\
 Data File : VD065634.D
 Acq On : 15 Apr 2020 14:37
 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
 4/16/2020 3:13:32 PM

Quant Time: Apr 15 19:46:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 15 18:47:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	226354	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	335123	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	319527	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	165097	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	20149	9.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.92%	
35) Dibromofluoromethane	7.92	113	21437	9.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.64%	
50) Toluene-d8	10.34	98	74597	8.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	17.82%	
62) 4-Bromofluorobenzene	12.64	95	24029	8.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	17.68%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.99	85	18793	9.310	ug/l 98
3) Chloromethane	2.21	50	21166	8.590	ug/l 99
4) Vinyl Chloride	2.35	62	22827	9.783	ug/l 96
5) Bromomethane	2.77	94	12485	7.832	ug/l 94
6) Chloroethane	2.92	64	13679	9.522	ug/l 98
7) Trichlorofluoromethane	3.27	101	34508	9.803	ug/l 96
8) Diethyl Ether	3.71	74	6499	8.987	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	15218	7.006	ug/l 99
10) Methyl Iodide	4.30	142	16569	7.768	ug/l 99
11) Tert butyl alcohol	5.24	59	6389	62.304	ug/l # 85
12) 1,1-Dichloroethene	4.06	96	13014	6.517	ug/l 88
13) Acrolein	3.93	56	3902	27.344	ug/l 99
14) Allyl chloride	4.71	41	19817	6.684	ug/l 99
15) Acrylonitrile	5.43	53	20282	48.894	ug/l 100
16) Acetone	4.17	43	13549	36.689	ug/l 96
17) Carbon Disulfide	4.40	76	45196	6.807	ug/l 96
18) Methyl Acetate	4.73	43	7932	7.387	ug/l # 90
19) Methyl tert-butyl Ether	5.47	73	35102	8.926	ug/l 95
20) Methylene Chloride	4.96	84	25939	10.834	ug/l 95
21) trans-1,2-Dichloroethene	5.46	96	22246	9.801	ug/l 95
22) Diisopropyl ether	6.36	45	57572	9.321	ug/l 91
23) Vinyl Acetate	6.31	43	140863	42.759	ug/l 100
24) 1,1-Dichloroethane	6.26	63	39070	9.620	ug/l 98
25) 2-Butanone	7.22	43	25034	46.468	ug/l 91
26) 2,2-Dichloropropane	7.21	77	33785	9.339	ug/l 97
27) cis-1,2-Dichloroethene	7.21	96	22694	9.154	ug/l 98
28) Bromochloromethane	7.55	49	16474	9.983	ug/l 100
29) Tetrahydrofuran	7.57	42	14761	43.319	ug/l 94
30) Chloroform	7.71	83	40623	9.569	ug/l 100
31) Cyclohexane	7.98	56	36594	9.652	ug/l # 90
32) 1,1,1-Trichloroethane	7.90	97	36573	9.579	ug/l 99
36) 1,1-Dichloropropene	8.11	75	31494	9.274	ug/l 99
37) Ethyl Acetate	7.30	43	12006	9.127	ug/l # 79
38) Carbon Tetrachloride	8.10	117	35020	9.492	ug/l 92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	33364	8.679	ug/l	100
40) Benzene	8.36	78	91576	9.409	ug/l	98
41) Methacrylonitrile	7.53	41	6161m	8.266	ug/l	
42) 1,2-Dichloroethane	8.43	62	25052	9.102	ug/l	97
43) Isopropyl Acetate	8.46	43	20944	8.840	ug/l	98
44) Trichloroethene	9.11	130	25163	9.051	ug/l	92
45) 1,2-Dichloropropane	9.39	63	21860	9.154	ug/l	100
46) Dibromomethane	9.47	93	11539	8.965	ug/l	98
47) Bromodichloromethane	9.67	83	30928	9.208	ug/l	91
48) Methyl methacrylate	9.46	41	9077	8.034	ug/l #	87
49) 1,4-Dioxane	9.46	88	2298	164.157	ug/l #	88
51) 4-Methyl-2-Pentanone	10.23	43	51761	42.063	ug/l	97
52) Toluene	10.40	92	54171	8.831	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	26063	8.649	ug/l	95
54) cis-1,3-Dichloropropene	10.09	75	31870	8.697	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	16200	8.910	ug/l	97
56) Ethyl methacrylate	10.67	69	14736	8.003	ug/l	98
57) 1,3-Dichloropropane	10.95	76	27404	9.103	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	38171	39.823	ug/l	99
59) 2-Hexanone	10.99	43	33950	41.324	ug/l	97
60) Dibromochloromethane	11.14	129	21288	8.869	ug/l	98
61) 1,2-Dibromoethane	11.25	107	15706	9.083	ug/l	98
64) Tetrachloroethene	10.88	164	22312	8.987	ug/l	99
65) Chlorobenzene	11.67	112	61550	9.078	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	24209	9.383	ug/l	100
67) Ethyl Benzene	11.75	91	98255	8.796	ug/l	99
68) m/p-Xylenes	11.86	106	77786	17.714	ug/l	99
69) o-Xylene	12.18	106	32620	8.589	ug/l	99
70) Styrene	12.20	104	57316	8.526	ug/l	99
71) Bromoform	12.37	173	13309	9.030	ug/l #	96
73) Isopropylbenzene	12.48	105	87599	8.527	ug/l	100
74) N-amyl acetate	12.30	43	18116	8.596	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	17503	9.052	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	11675m	8.591	ug/l	
77) Bromobenzene	12.77	156	25360	8.942	ug/l	97
78) n-propylbenzene	12.83	91	109450	8.812	ug/l	99
79) 2-Chlorotoluene	12.91	91	64658	9.068	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	74704	8.580	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.54	75	5607	9.670	ug/l	98
82) 4-Chlorotoluene	13.01	91	71920	9.337	ug/l	97
83) tert-Butylbenzene	13.23	119	61949	8.594	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	75267	8.721	ug/l	100
85) sec-Butylbenzene	13.41	105	90843	8.780	ug/l	100
86) p-Isopropyltoluene	13.53	119	91111	9.549	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	50446	9.184	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	50842	9.263	ug/l	95
89) n-Butylbenzene	13.86	91	76138	8.806	ug/l	98
90) Hexachloroethane	14.12	117	19499	9.336	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	42959	9.164	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.52	75	2594	8.628	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	27243	8.793	ug/l	98
94) Hexachlorobutadiene	15.28	225	20755	9.662	ug/l	96
95) Naphthalene	15.41	128	35501	7.794	ug/l	98
96) 1,2,3-Trichlorobenzene	15.61	180	23920	8.815	ug/l	99

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

