

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072120\
 Data File : VD065971.D
 Acq On : 21 Jul 2020 09:55
 Operator : VA/SY
 Sample : VSTDIC005
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 7/22/2020 2:44:15 PM

Quant Time: Jul 21 12:31:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 12:03:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	358400	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	526450	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	490818	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	248944	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	15818	5.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.84%	
35) Dibromofluoromethane	7.92	113	17410	5.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.00%	
50) Toluene-d8	10.34	98	65928	5.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.18%	
62) 4-Bromofluorobenzene	12.63	95	22910	5.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.00%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.99	85	13888	4.817	ug/l	92
3) Chloromethane	2.21	50	11427	5.018	ug/l	99
4) Vinyl Chloride	2.35	62	10454	4.755	ug/l	98
5) Bromomethane	2.77	94	9309	4.953	ug/l	89
6) Chloroethane	2.92	64	5758	4.346	ug/l	94
7) Trichlorofluoromethane	3.27	101	25715	4.860	ug/l	89
8) Diethyl Ether	3.71	74	7201	5.287	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.10	101	15711	5.008	ug/l	98
10) Methyl Iodide	4.30	142	5267	3.073	ug/l	90
11) Tert butyl alcohol	5.18	59	10134m	40.944	ug/l	
12) 1,1-Dichloroethene	4.07	96	14894	5.001	ug/l #	82
13) Acrolein	3.93	56	5986	25.030	ug/l	91
14) Allyl chloride	4.71	41	21422	4.686	ug/l	99
15) Acrylonitrile	5.43	53	14456	24.733	ug/l	95
16) Acetone	4.16	43	16291	27.653	ug/l #	85
17) Carbon Disulfide	4.40	76	46378	4.768	ug/l	95
18) Methyl Acetate	4.72	43	7224	5.330	ug/l	97
19) Methyl tert-butyl Ether	5.47	73	27772	4.754	ug/l #	89
20) Methylene Chloride	4.96	84	25163	6.191	ug/l	93
21) trans-1,2-Dichloroethene	5.47	96	15343	4.561	ug/l #	85
22) Diisopropyl ether	6.37	45	39115	4.520	ug/l	96
23) Vinyl Acetate	6.30	43	103755	21.848	ug/l	99
24) 1,1-Dichloroethane	6.27	63	25148	4.646	ug/l	94
25) 2-Butanone	7.21	43	19311	24.860	ug/l	91
26) 2,2-Dichloropropane	7.20	77	23358	4.701	ug/l	95
27) cis-1,2-Dichloroethene	7.20	96	17097	4.851	ug/l	99
28) Bromochloromethane	7.54	49	10418	4.661	ug/l	96
29) Tetrahydrofuran	7.57	42	10867	22.928	ug/l	99
30) Chloroform	7.72	83	26967	4.803	ug/l	96
31) Cyclohexane	7.98	56	28436	5.234	ug/l #	77
32) 1,1,1-Trichloroethane	7.90	97	24990	4.757	ug/l	97
36) 1,1-Dichloropropene	8.11	75	20801	4.550	ug/l	95
37) Ethyl Acetate	7.30	43	7472	4.261	ug/l	98
38) Carbon Tetrachloride	8.10	117	22859	4.714	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	24647	4.552	ug/l	95
40) Benzene	8.36	78	59301	4.677	ug/l	91
41) Methacrylonitrile	7.53	41	5044m	3.847	ug/l	
42) 1,2-Dichloroethane	8.43	62	16143	4.632	ug/l	100
43) Isopropyl Acetate	8.46	43	15468	4.792	ug/l	96
44) Trichloroethene	9.11	130	18314	4.801	ug/l	96
45) 1,2-Dichloropropane	9.39	63	14244	4.684	ug/l	97
46) Dibromomethane	9.48	93	7417	4.457	ug/l	94
47) Bromodichloromethane	9.66	83	20133	4.616	ug/l	96
48) Methyl methacrylate	9.46	41	7473	4.445	ug/l #	91
49) 1,4-Dioxane	9.47	88	1625	88.331	ug/l #	72
51) 4-Methyl-2-Pentanone	10.23	43	38051	23.087	ug/l	98
52) Toluene	10.40	92	36783	4.505	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	18288	4.744	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	21689	4.545	ug/l	96
55) 1,1,2-Trichloroethane	10.81	97	11847	5.172	ug/l #	80
56) Ethyl methacrylate	10.67	69	10677	4.148	ug/l	91
57) 1,3-Dichloropropane	10.95	76	17562	4.609	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.94	63	31889	25.382	ug/l	98
59) 2-Hexanone	10.98	43	25555	22.564	ug/l	97
60) Dibromochloromethane	11.14	129	14859	4.801	ug/l	96
61) 1,2-Dibromoethane	11.24	107	10693	4.827	ug/l	99
64) Tetrachloroethene	10.88	164	15439	4.601	ug/l	97
65) Chlorobenzene	11.67	112	41392	4.572	ug/l #	88
66) 1,1,1,2-Tetrachloroethane	11.75	131	14609	4.361	ug/l	88
67) Ethyl Benzene	11.75	91	68844	4.433	ug/l	95
68) m/p-Xylenes	11.86	106	50162	8.353	ug/l	97
69) o-Xylene	12.18	106	22451	4.199	ug/l	95
70) Styrene	12.20	104	37791	4.084	ug/l	98
71) Bromoform	12.36	173	9107	4.837	ug/l #	96
73) Isopropylbenzene	12.48	105	63002	4.225	ug/l	98
74) N-amyl acetate	12.29	43	13202	4.402	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.74	83	11261	4.566	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	10365m	4.685	ug/l	
77) Bromobenzene	12.76	156	16944	4.402	ug/l	99
78) n-propylbenzene	12.83	91	75309	4.311	ug/l	98
79) 2-Chlorotoluene	12.91	91	43972	4.409	ug/l	95
80) 1,3,5-Trimethylbenzene	12.96	105	50786	4.089	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.54	75	3684	4.672	ug/l	96
82) 4-Chlorotoluene	13.01	91	45870	4.330	ug/l	99
83) tert-Butylbenzene	13.23	119	43817	4.062	ug/l	92
84) 1,2,4-Trimethylbenzene	13.27	105	52752	4.330	ug/l	97
85) sec-Butylbenzene	13.41	105	62800	4.211	ug/l	98
86) p-Isopropyltoluene	13.52	119	55322	4.120	ug/l	97
87) 1,3-Dichlorobenzene	13.52	146	32984	4.539	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	34462	4.732	ug/l	95
89) n-Butylbenzene	13.85	91	53971	4.345	ug/l	98
90) Hexachloroethane	14.11	117	13677	4.962	ug/l	93
91) 1,2-Dichlorobenzene	13.90	146	27257	4.381	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.52	75	2106	5.361	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	19525	4.516	ug/l	96
94) Hexachlorobutadiene	15.27	225	12888	4.761	ug/l	97
95) Naphthalene	15.41	128	27165	4.115	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	17383	4.594	ug/l	96

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

