

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120120\
 Data File : VD067827.D
 Acq On : 01 Dec 2020 10:34
 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
 12/2/2020 12:23:53 PM

Quant Time: Dec 02 04:39:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120120S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 02 03:45:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	220281	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	320579	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	294172	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	155494	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	12856	5.44	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	10.88%#
35) Dibromofluoromethane	7.91	113	11167	5.21	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	10.42%#
50) Toluene-d8	10.34	98	38321	4.96	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	9.92%#
62) 4-Bromofluorobenzene	12.64	95	13437	5.03	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	10.06%#

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.99	85	9922	5.176	ug/l 96
3) Chloromethane	2.21	50	5740	5.188	ug/l 92
4) Vinyl Chloride	2.35	62	7727	5.546	ug/l # 88
5) Bromomethane	2.77	94	7588	6.100	ug/l 99
6) Chloroethane	2.93	64	4717	5.199	ug/l # 83
7) Trichlorofluoromethane	3.27	101	24285	5.696	ug/l 88
8) Diethyl Ether	3.71	74	4600	5.535	ug/l 91
9) 1,1,2-Trichlorotrifluoroet	4.10	101	10336	5.316	ug/l 93
10) Methyl Iodide	4.30	142	9292	4.509	ug/l # 91
11) Tert butyl alcohol	5.21	59	8959	48.945	ug/l # 74
12) 1,1-Dichloroethene	4.08	96	9739	5.335	ug/l 83
13) Acrolein	3.91	56	2357m	28.738	ug/l
14) Allyl chloride	4.72	41	8284	4.906	ug/l 97
15) Acrylonitrile	5.44	53	7733	26.836	ug/l # 89
16) Acetone	4.16	43	8520m	29.472	ug/l
17) Carbon Disulfide	4.40	76	28083	5.510	ug/l 96
18) Methyl Acetate	4.72	43	4115	6.923	ug/l # 86
19) Methyl tert-butyl Ether	5.49	73	18844	4.821	ug/l 100
20) Methylene Chloride	4.97	84	15322	6.903	ug/l 95
21) trans-1,2-Dichloroethene	5.46	96	11282	5.432	ug/l # 80
22) Diisopropyl ether	6.36	45	17396	5.122	ug/l 93
23) Vinyl Acetate	6.31	43	39246	20.771	ug/l # 85
24) 1,1-Dichloroethane	6.26	63	15908	5.343	ug/l # 88
25) 2-Butanone	7.22	43	7820	25.443	ug/l 99
26) 2,2-Dichloropropane	7.20	77	19174	5.401	ug/l 96
27) cis-1,2-Dichloroethene	7.21	96	12023	5.292	ug/l 95
28) Bromochloromethane	7.56	49	4899	5.183	ug/l 93
29) Tetrahydrofuran	7.58	42	4680m	29.088	ug/l
30) Chloroform	7.71	83	21757	5.468	ug/l 98
31) Cyclohexane	7.99	56	15654	6.283	ug/l # 86
32) 1,1,1-Trichloroethane	7.90	97	23397	5.571	ug/l 97
36) 1,1-Dichloropropene	8.11	75	14175	5.108	ug/l 99
37) Ethyl Acetate	7.31	43	4647m	7.171	ug/l
38) Carbon Tetrachloride	8.10	117	22604	5.383	ug/l 89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	16453	5.003	ug/l	97
40) Benzene	8.36	78	39871	5.250	ug/l	94
41) Methacrylonitrile	7.53	41	2297m	6.316	ug/l	
42) 1,2-Dichloroethane	8.43	62	13770	5.088	ug/l	97
43) Isopropyl Acetate	8.46	43	7495	5.093	ug/l #	58
44) Trichloroethene	9.11	130	13796	5.284	ug/l	91
45) 1,2-Dichloropropane	9.39	63	8364	5.366	ug/l	91
46) Dibromomethane	9.47	93	5446	5.026	ug/l	92
47) Bromodichloromethane	9.67	83	16626	5.382	ug/l #	96
48) Methyl methacrylate	9.46	41	3815	5.105	ug/l	91
49) 1,4-Dioxane	9.47	88	1488	120.171	ug/l #	57
51) 4-Methyl-2-Pentanone	10.23	43	17167	24.646	ug/l	97
52) Toluene	10.41	92	27372	5.156	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	13630	5.112	ug/l	97
54) cis-1,3-Dichloropropene	10.10	75	14325	4.939	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	8593	5.794	ug/l #	88
56) Ethyl methacrylate	10.66	69	7651	5.071	ug/l #	68
57) 1,3-Dichloropropane	10.95	76	12696	5.405	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	17409	25.356	ug/l	94
59) 2-Hexanone	10.98	43	11903	24.241	ug/l	98
60) Dibromochloromethane	11.14	129	11377	5.089	ug/l	89
61) 1,2-Dibromoethane	11.24	107	8070	5.534	ug/l	97
64) Tetrachloroethene	10.88	164	14015	5.841	ug/l	89
65) Chlorobenzene	11.67	112	32723	5.391	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	13138	5.307	ug/l	96
67) Ethyl Benzene	11.75	91	52380	5.066	ug/l	96
68) m/p-Xylenes	11.86	106	40834	10.015	ug/l	95
69) o-Xylene	12.18	106	17575	4.856	ug/l	98
70) Styrene	12.20	104	31089	4.939	ug/l	97
71) Bromoform	12.36	173	6674	5.093	ug/l #	88
73) Isopropylbenzene	12.48	105	52204	4.882	ug/l	99
74) N-amyl acetate	12.29	43	6280	4.748	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	7787	5.516	ug/l	96
76) 1,2,3-Trichloropropane	12.78	75	6066m	5.246	ug/l	
77) Bromobenzene	12.76	156	13072	4.917	ug/l	94
78) n-propylbenzene	12.83	91	56921	4.803	ug/l	97
79) 2-Chlorotoluene	12.91	91	34176	4.902	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	41994	4.536	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	2377	5.021	ug/l	91
82) 4-Chlorotoluene	13.01	91	35618	4.789	ug/l	97
83) tert-Butylbenzene	13.23	119	37736	4.790	ug/l	96
84) 1,2,4-Trimethylbenzene	13.27	105	43083	4.680	ug/l	99
85) sec-Butylbenzene	13.40	105	51508	4.898	ug/l	99
86) p-Isopropyltoluene	13.52	119	49478	4.801	ug/l	97
87) 1,3-Dichlorobenzene	13.52	146	27381	5.339	ug/l	94
88) 1,4-Dichlorobenzene	13.60	146	28354	5.527	ug/l	95
89) n-Butylbenzene	13.84	91	41468	4.843	ug/l	99
90) Hexachloroethane	14.11	117	9475	4.980	ug/l	100
91) 1,2-Dichlorobenzene	13.89	146	23660	5.320	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.50	75	1484	5.037	ug/l #	22

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	14933	4.800	ug/l	96
94) Hexachlorobutadiene	15.27	225	9988	4.920	ug/l	98
95) Naphthalene	15.41	128	23835	4.708	ug/l	97
96) 1,2,3-Trichlorobenzene	15.60	180	13330	4.961	ug/l	92

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

