

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112320\
 Data File : VD067738.D
 Acq On : 23 Nov 2020 11:23
 Operator : VA/SY
 Sample : VSTDIC010
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 11/24/2020 2:56:27 PM

Quant Time: Nov 24 00:43:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112320S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 24 00:34:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	257865	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	373305	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	342166	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	176173	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	26164	10.32	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	20.64%#
35) Dibromofluoromethane	7.92	113	25020	10.47	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	20.94%#
50) Toluene-d8	10.34	98	91273	10.52	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	21.04%#
62) 4-Bromofluorobenzene	12.63	95	30690	10.30	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	20.60%#

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.98	85	23586	10.380	ug/l 99
3) Chloromethane	2.21	50	13175	10.202	ug/l 95
4) Vinyl Chloride	2.35	62	16854	10.456	ug/l 94
5) Bromomethane	2.77	94	14121	10.229	ug/l 88
6) Chloroethane	2.93	64	11095	10.427	ug/l 96
7) Trichlorofluoromethane	3.27	101	51426	10.540	ug/l 87
8) Diethyl Ether	3.71	74	10466	10.629	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	4.10	101	25354	10.907	ug/l 98
10) Methyl Iodide	4.30	142	21040	8.821	ug/l 98
11) Tert butyl alcohol	5.21	59	11743m	62.045	ug/l
12) 1,1-Dichloroethene	4.07	96	22380	10.468	ug/l 90
13) Acrolein	3.92	56	5129	49.032	ug/l 99
14) Allyl chloride	4.71	41	21566	10.498	ug/l 98
15) Acrylonitrile	5.43	53	18262	54.721	ug/l 96
16) Acetone	4.16	43	17797	53.014	ug/l 89
17) Carbon Disulfide	4.41	76	64919	10.361	ug/l 99
18) Methyl Acetate	4.72	43	6647	10.260	ug/l 97
19) Methyl tert-butyl Ether	5.48	73	45331	9.915	ug/l 94
20) Methylene Chloride	4.97	84	42112	12.654	ug/l 97
21) trans-1,2-Dichloroethene	5.47	96	25555	10.679	ug/l 92
22) Diisopropyl ether	6.37	45	42633	10.545	ug/l # 93
23) Vinyl Acetate	6.31	43	114583	49.911	ug/l 99
24) 1,1-Dichloroethane	6.26	63	36405	10.405	ug/l # 91
25) 2-Butanone	7.21	43	19696	54.951	ug/l 93
26) 2,2-Dichloropropane	7.21	77	44632	10.895	ug/l 94
27) cis-1,2-Dichloroethene	7.21	96	27542	10.664	ug/l 98
28) Bromochloromethane	7.55	49	10944	9.796	ug/l # 96
29) Tetrahydrofuran	7.57	42	11465	54.570	ug/l 98
30) Chloroform	7.71	83	49531	10.915	ug/l 98
31) Cyclohexane	7.98	56	32180	10.637	ug/l # 88
32) 1,1,1-Trichloroethane	7.91	97	50591	10.464	ug/l 97
36) 1,1-Dichloropropene	8.11	75	34960	10.818	ug/l 98
37) Ethyl Acetate	7.30	43	9739	11.472	ug/l # 90
38) Carbon Tetrachloride	8.10	117	49782	10.498	ug/l # 94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	38927	10.143	ug/l	94
40) Benzene	8.36	78	96174	10.791	ug/l	98
41) Methacrylonitrile	7.53	41	4221	10.706	ug/l #	84
42) 1,2-Dichloroethane	8.43	62	31667	10.576	ug/l	97
43) Isopropyl Acetate	8.46	43	18280	10.642	ug/l	97
44) Trichloroethene	9.11	130	31819	10.708	ug/l	97
45) 1,2-Dichloropropane	9.39	63	19691	10.866	ug/l #	83
46) Dibromomethane	9.48	93	13478	11.074	ug/l	98
47) Bromodichloromethane	9.67	83	36824	10.705	ug/l #	96
48) Methyl methacrylate	9.46	41	9334	10.969	ug/l	98
49) 1,4-Dioxane	9.47	88	2489	188.556	ug/l #	73
51) 4-Methyl-2-Pentanone	10.23	43	43798	54.645	ug/l	94
52) Toluene	10.41	92	63703	10.596	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	32466	10.836	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	35696	10.524	ug/l	95
55) 1,1,2-Trichloroethane	10.81	97	18229	11.033	ug/l	92
56) Ethyl methacrylate	10.67	69	17459	10.224	ug/l	96
57) 1,3-Dichloropropane	10.95	76	28577	11.042	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.95	63	36451	45.708	ug/l	99
59) 2-Hexanone	10.98	43	31233	54.603	ug/l	100
60) Dibromochloromethane	11.15	129	27251	10.820	ug/l	99
61) 1,2-Dibromoethane	11.24	107	17277	10.575	ug/l	92
64) Tetrachloroethene	10.88	164	30928	11.496	ug/l #	83
65) Chlorobenzene	11.67	112	72617	10.715	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	29698	10.938	ug/l	99
67) Ethyl Benzene	11.75	91	122241	10.508	ug/l	100
68) m/p-Xylenes	11.86	106	96888	21.300	ug/l	100
69) o-Xylene	12.18	106	43673	10.559	ug/l	96
70) Styrene	12.20	104	76828	10.753	ug/l	96
71) Bromoform	12.37	173	16594	11.226	ug/l #	97
73) Isopropylbenzene	12.48	105	120912	10.231	ug/l	99
74) N-amyl acetate	12.29	43	15788	10.312	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	17610	11.181	ug/l	92
76) 1,2,3-Trichloropropane	12.78	75	12357m	9.000	ug/l	
77) Bromobenzene	12.76	156	30877	10.493	ug/l	98
78) n-propylbenzene	12.83	91	135253	10.319	ug/l	100
79) 2-Chlorotoluene	12.91	91	79826	10.352	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	107815	10.393	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.53	75	5875	11.174	ug/l #	94
82) 4-Chlorotoluene	13.01	91	88532	10.758	ug/l	98
83) tert-Butylbenzene	13.23	119	91566	10.474	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	105852	10.371	ug/l	97
85) sec-Butylbenzene	13.40	105	121158	10.495	ug/l	99
86) p-Isopropyltoluene	13.52	119	117515	10.526	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	62667	10.928	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	59804	10.465	ug/l	94
89) n-Butylbenzene	13.85	91	99403	10.401	ug/l	100
90) Hexachloroethane	14.11	117	22516	10.583	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	53396	10.827	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.50	75	3893	11.614	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	34419	9.855	ug/l	95
94) Hexachlorobutadiene	15.27	225	24223	10.812	ug/l	95
95) Naphthalene	15.40	128	55534	9.813	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	29859	10.069	ug/l	93

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

