

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110320\
 Data File : VD067503.D
 Acq On : 03 Nov 2020 11:10
 Operator : VA/SY
 Sample : VSTDIC020
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 11/4/2020 10:43:19 AM

Quant Time: Nov 04 00:38:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 00:25:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	322688	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	484004	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	434147	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	221419	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	60378	21.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.80%	
35) Dibromofluoromethane	7.92	113	60811	20.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.70%	
50) Toluene-d8	10.34	98	220043	21.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.94%	
62) 4-Bromofluorobenzene	12.64	95	73455	20.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	65570	22.222	ug/l	92
3) Chloromethane	2.21	50	43352	21.574	ug/l	96
4) Vinyl Chloride	2.35	62	47341	21.131	ug/l	97
5) Bromomethane	2.76	94	37544	20.676	ug/l	88
6) Chloroethane	2.92	64	28296	20.486	ug/l	100
7) Trichlorofluoromethane	3.28	101	122121	21.052	ug/l	97
8) Diethyl Ether	3.71	74	24230	20.730	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.10	101	61975	21.166	ug/l	99
10) Methyl Iodide	4.30	142	61028	19.446	ug/l	99
11) Tert butyl alcohol	5.21	59	15628	109.389	ug/l #	79
12) 1,1-Dichloroethene	4.07	96	57506	21.351	ug/l	95
13) Acrolein	3.94	56	6747	65.814	ug/l	99
14) Allyl chloride	4.72	41	56779	19.698	ug/l	98
15) Acrylonitrile	5.43	53	44597	103.216	ug/l	99
16) Acetone	4.16	43	38759	91.796	ug/l	95
17) Carbon Disulfide	4.41	76	171105	20.732	ug/l	99
18) Methyl Acetate	4.71	43	17720	20.309	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	108182	20.363	ug/l	93
20) Methylene Chloride	4.98	84	61741	20.701	ug/l #	93
21) trans-1,2-Dichloroethene	5.48	96	64513	20.565	ug/l	90
22) Diisopropyl ether	6.37	45	120901	21.523	ug/l	96
23) Vinyl Acetate	6.31	43	304293	103.291	ug/l	100
24) 1,1-Dichloroethane	6.27	63	94190	20.497	ug/l	99
25) 2-Butanone	7.22	43	46389	102.821	ug/l	91
26) 2,2-Dichloropropane	7.21	77	99711	20.559	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	66570	20.445	ug/l	97
28) Bromochloromethane	7.55	49	31914	19.524	ug/l	98
29) Tetrahydrofuran	7.56	42	27932	103.357	ug/l	99
30) Chloroform	7.71	83	111108	20.267	ug/l	97
31) Cyclohexane	8.00	56	79849	19.512	ug/l #	92
32) 1,1,1-Trichloroethane	7.91	97	116034	20.513	ug/l	98
36) 1,1-Dichloropropene	8.11	75	84828	20.475	ug/l	99
37) Ethyl Acetate	7.29	43	21968	20.424	ug/l	98
38) Carbon Tetrachloride	8.10	117	110571	20.541	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	95349	19.554	ug/l	96
40) Benzene	8.36	78	233277	20.787	ug/l	100
41) Methacrylonitrile	7.54	41	13198m	24.394	ug/l	
42) 1,2-Dichloroethane	8.43	62	72273	20.844	ug/l	99
43) Isopropyl Acetate	8.46	43	42351	19.909	ug/l	97
44) Trichloroethene	9.11	130	75132	20.361	ug/l	95
45) 1,2-Dichloropropane	9.40	63	48754	20.094	ug/l	96
46) Dibromomethane	9.48	93	31538	20.443	ug/l	99
47) Bromodichloromethane	9.67	83	87754	20.928	ug/l	97
48) Methyl methacrylate	9.46	41	20829	18.964	ug/l	92
49) 1,4-Dioxane	9.46	88	6386	407.751	ug/l #	84
51) 4-Methyl-2-Pentanone	10.23	43	104197	102.421	ug/l	100
52) Toluene	10.41	92	158526	21.090	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	74184	20.657	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	86793	20.341	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	43007	21.069	ug/l	92
56) Ethyl methacrylate	10.67	69	40964	19.433	ug/l	99
57) 1,3-Dichloropropane	10.95	76	66297	20.183	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	93997	95.624	ug/l	97
59) 2-Hexanone	10.99	43	70496	99.105	ug/l	95
60) Dibromochloromethane	11.14	129	63318	20.969	ug/l	99
61) 1,2-Dibromoethane	11.25	107	42613	20.800	ug/l	99
64) Tetrachloroethene	10.88	164	67872	21.109	ug/l	94
65) Chlorobenzene	11.68	112	174130	20.822	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	67299	20.418	ug/l	97
67) Ethyl Benzene	11.75	91	299587	20.935	ug/l	94
68) m/p-Xylenes	11.86	106	236834	42.539	ug/l	99
69) o-Xylene	12.19	106	105112	21.146	ug/l	99
70) Styrene	12.20	104	186545	21.537	ug/l	98
71) Bromoform	12.37	173	36529	21.730	ug/l #	97
73) Isopropylbenzene	12.49	105	297921	20.819	ug/l	99
74) N-amyl acetate	12.30	43	36256	19.255	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	40074	20.537	ug/l	95
76) 1,2,3-Trichloropropane	12.78	75	31515m	22.570	ug/l	
77) Bromobenzene	12.77	156	73622	20.949	ug/l	98
78) n-propylbenzene	12.83	91	341599	20.870	ug/l	99
79) 2-Chlorotoluene	12.91	91	195611	21.038	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	254209	20.796	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	13117	19.937	ug/l	96
82) 4-Chlorotoluene	13.01	91	209674	21.026	ug/l	99
83) tert-Butylbenzene	13.23	119	211900	20.453	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	255336	20.984	ug/l	100
85) sec-Butylbenzene	13.41	105	281455	20.125	ug/l	98
86) p-Isopropyltoluene	13.53	119	278690	20.635	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	136517	20.358	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	138508	20.398	ug/l	98
89) n-Butylbenzene	13.85	91	232938	19.968	ug/l	99
90) Hexachloroethane	14.12	117	51005	20.054	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	119068	20.516	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	7131	20.640	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	79111	20.084	ug/l	97
94) Hexachlorobutadiene	15.27	225	49323	18.709	ug/l	99
95) Naphthalene	15.41	128	118553	19.502	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	68733	20.376	ug/l	99

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

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