

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101320\
 Data File : VD067245.D
 Acq On : 13 Oct 2020 11:22
 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
 10/14/2020 2:10:09 PM

Quant Time: Oct 13 12:42:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 13 12:22:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	334031	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	503952	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	474717	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	241994	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	68093	19.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.68%	
35) Dibromofluoromethane	7.91	113	66095	19.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.40%	
50) Toluene-d8	10.34	98	241572	19.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.48%	
62) 4-Bromofluorobenzene	12.64	95	85649	20.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	67461	20.577	ug/l	93
3) Chloromethane	2.21	50	44199	20.103	ug/l	94
4) Vinyl Chloride	2.35	62	47899	19.709	ug/l	97
5) Bromomethane	2.76	94	36125	18.967	ug/l	92
6) Chloroethane	2.92	64	30685	20.174	ug/l	99
7) Trichlorofluoromethane	3.27	101	121717	19.930	ug/l	91
8) Diethyl Ether	3.70	74	26793	19.688	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	4.09	101	63732	19.649	ug/l	97
10) Methyl Iodide	4.30	142	54591	20.371	ug/l	98
11) Tert butyl alcohol	5.21	59	25556	88.915	ug/l	100
12) 1,1-Dichloroethene	4.06	96	56922	19.955	ug/l	93
13) Acrolein	3.92	56	13571	87.875	ug/l	91
14) Allyl chloride	4.71	41	63990	20.107	ug/l	98
15) Acrylonitrile	5.43	53	45738	101.888	ug/l	98
16) Acetone	4.16	43	48139	99.717	ug/l	92
17) Carbon Disulfide	4.41	76	160746	19.734	ug/l	100
18) Methyl Acetate	4.72	43	22127	19.960	ug/l	97
19) Methyl tert-butyl Ether	5.47	73	114766	20.878	ug/l #	89
20) Methylene Chloride	4.96	84	72432	18.641	ug/l	90
21) trans-1,2-Dichloroethene	5.47	96	62481	19.148	ug/l	95
22) Diisopropyl ether	6.36	45	128593	21.916	ug/l	97
23) Vinyl Acetate	6.31	43	347102	109.021	ug/l	95
24) 1,1-Dichloroethane	6.27	63	102645	20.079	ug/l	96
25) 2-Butanone	7.22	43	55670	102.646	ug/l	90
26) 2,2-Dichloropropane	7.21	77	103287	19.354	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	72835	20.331	ug/l	100
28) Bromochloromethane	7.55	49	32723	19.187	ug/l #	97
29) Tetrahydrofuran	7.57	42	31692	106.031	ug/l	96
30) Chloroform	7.71	83	122587	19.995	ug/l #	83
31) Cyclohexane	7.98	56	80871	19.697	ug/l	93
32) 1,1,1-Trichloroethane	7.91	97	120856	20.084	ug/l	98
36) 1,1-Dichloropropene	8.11	75	89836	20.377	ug/l	100
37) Ethyl Acetate	7.30	43	27285	21.348	ug/l #	93
38) Carbon Tetrachloride	8.10	117	113901	20.153	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	86727	19.186	ug/l	98
40) Benzene	8.35	78	242555	19.967	ug/l	96
41) Methacrylonitrile	7.53	41	14505	26.598	ug/l #	78
42) 1,2-Dichloroethane	8.43	62	78014	20.555	ug/l	100
43) Isopropyl Acetate	8.46	43	52905	21.124	ug/l	97
44) Trichloroethene	9.11	130	79732	20.541	ug/l	97
45) 1,2-Dichloropropane	9.39	63	57343	20.556	ug/l	98
46) Dibromomethane	9.48	93	35683	20.317	ug/l	93
47) Bromodichloromethane	9.67	83	93318	20.063	ug/l	98
48) Methyl methacrylate	9.46	41	24778	20.308	ug/l	96
49) 1,4-Dioxane	9.47	88	7082	380.152	ug/l	89
51) 4-Methyl-2-Pentanone	10.23	43	133202	104.810	ug/l	99
52) Toluene	10.41	92	168108	20.443	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	81611	20.172	ug/l	93
54) cis-1,3-Dichloropropene	10.09	75	98070	20.690	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	50564	20.967	ug/l	96
56) Ethyl methacrylate	10.66	69	50008	21.223	ug/l	98
57) 1,3-Dichloropropane	10.95	76	79286	21.001	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	132590	109.247	ug/l	100
59) 2-Hexanone	10.99	43	88861	103.834	ug/l	98
60) Dibromochloromethane	11.14	129	70659	20.287	ug/l	97
61) 1,2-Dibromoethane	11.25	107	48240	20.547	ug/l	98
64) Tetrachloroethene	10.88	164	69754	19.282	ug/l	94
65) Chlorobenzene	11.67	112	191069	20.235	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	74131	19.770	ug/l	98
67) Ethyl Benzene	11.75	91	321199	20.218	ug/l	98
68) m/p-Xylenes	11.86	106	252940	40.979	ug/l	99
69) o-Xylene	12.18	106	116585	20.428	ug/l	92
70) Styrene	12.20	104	198780	20.270	ug/l	98
71) Bromoform	12.37	173	39990	19.942	ug/l #	97
73) Isopropylbenzene	12.48	105	317715	20.531	ug/l	100
74) N-amyl acetate	12.29	43	47211	20.484	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	48985	20.248	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	39049m	22.562	ug/l	
77) Bromobenzene	12.77	156	79884	20.281	ug/l	98
78) n-propylbenzene	12.83	91	373207	20.507	ug/l	99
79) 2-Chlorotoluene	12.91	91	213978	20.169	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	280966	20.634	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	15378	20.636	ug/l	99
82) 4-Chlorotoluene	13.01	91	224333	19.813	ug/l	97
83) tert-Butylbenzene	13.23	119	232168	20.422	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	277466	20.708	ug/l	99
85) sec-Butylbenzene	13.41	105	318324	20.191	ug/l	99
86) p-Isopropyltoluene	13.52	119	309331	20.759	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	155877	20.212	ug/l	96
88) 1,4-Dichlorobenzene	13.60	146	148688	19.659	ug/l	97
89) n-Butylbenzene	13.85	91	262988	20.228	ug/l	98
90) Hexachloroethane	14.12	117	51665	19.985	ug/l	92
91) 1,2-Dichlorobenzene	13.90	146	134761	20.199	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.51	75	9024	20.709	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	86219	19.861	ug/l	98
94) Hexachlorobutadiene	15.28	225	54033	19.830	ug/l	96
95) Naphthalene	15.41	128	143313	21.033	ug/l	98
96) 1,2,3-Trichlorobenzene	15.61	180	77984	20.920	ug/l	99

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

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