

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120920\
 Data File : VD067928.D
 Acq On : 09 Dec 2020 16:23
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 12/10/2020 10:19:31 AM

Quant Time: Dec 10 03:52:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120120S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 02 08:05:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	191056	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	270257	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	248023	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	129644	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	99040	48.29	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.58%
35) Dibromofluoromethane	7.91	113	89926	49.73	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.46%
50) Toluene-d8	10.34	98	318141	48.87	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	97.74%
62) 4-Bromofluorobenzene	12.64	95	113722	50.53	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	101.06%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	83582	50.269	ug/l	100
3) Chloromethane	2.21	50	46074	48.015	ug/l	93
4) Vinyl Chloride	2.35	62	57824	47.847	ug/l	97
5) Bromomethane	2.77	94	59920	55.540	ug/l	96
6) Chloroethane	2.93	64	40992	52.097	ug/l	92
7) Trichlorofluoromethane	3.28	101	186615	50.463	ug/l	100
8) Diethyl Ether	3.70	74	34244	47.510	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.10	101	80349	47.648	ug/l	94
10) Methyl Iodide	4.30	142	86000	48.114	ug/l	99
11) Tert butyl alcohol	5.21	59	23857	219.141	ug/l	97
12) 1,1-Dichloroethene	4.07	96	75840	47.904	ug/l	94
13) Acrolein	3.92	56	17575	222.978	ug/l	97
14) Allyl chloride	4.71	41	68661	46.880	ug/l	90
15) Acrylonitrile	5.41	53	56995	228.048	ug/l	99
16) Acetone	4.16	43	55108	217.432	ug/l	91
17) Carbon Disulfide	4.41	76	195293	44.182	ug/l #	93
18) Methyl Acetate	4.71	43	21774	45.715	ug/l #	72
19) Methyl tert-butyl Ether	5.47	73	173446	51.163	ug/l	99
20) Methylene Chloride	4.97	84	85427	52.216	ug/l #	97
21) trans-1,2-Dichloroethene	5.47	96	86856	48.212	ug/l	97
22) Diisopropyl ether	6.36	45	140914	47.837	ug/l	92
23) Vinyl Acetate	6.30	43	411881	251.339	ug/l	97
24) 1,1-Dichloroethane	6.26	63	126196	48.871	ug/l	98
25) 2-Butanone	7.21	43	57438	215.464	ug/l	96
26) 2,2-Dichloropropane	7.20	77	159562	51.819	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	98348	49.911	ug/l	96
28) Bromochloromethane	7.54	49	39769	48.508	ug/l	94
29) Tetrahydrofuran	7.56	42	32324	212.957	ug/l	94
30) Chloroform	7.71	83	173911	50.397	ug/l	99
31) Cyclohexane	7.98	56	93903	43.455	ug/l	93
32) 1,1,1-Trichloroethane	7.90	97	186841	51.291	ug/l	99
36) 1,1-Dichloropropene	8.11	75	115996	49.579	ug/l	99
37) Ethyl Acetate	7.28	43	27131	43.027	ug/l	97
38) Carbon Tetrachloride	8.10	117	184966	52.252	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	135015	48.697	ug/l	97
40) Benzene	8.36	78	318963	49.824	ug/l	100
41) Methacrylonitrile	7.52	41	13069m	43.020	ug/l	
42) 1,2-Dichloroethane	8.43	62	117951	51.696	ug/l	98
43) Isopropyl Acetate	8.45	43	58368	47.045	ug/l	99
44) Trichloroethene	9.11	130	110038	49.994	ug/l	90
45) 1,2-Dichloropropane	9.39	63	61041	46.457	ug/l	95
46) Dibromomethane	9.48	93	43269	47.364	ug/l	93
47) Bromodichloromethane	9.66	83	131309	50.418	ug/l	98
48) Methyl methacrylate	9.46	41	28904	45.879	ug/l	93
49) 1,4-Dioxane	9.46	88	8796	842.638	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	132347	225.385	ug/l	98
52) Toluene	10.40	92	219202	48.975	ug/l	96
53) t-1,3-Dichloropropene	10.63	75	115376	51.327	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	123315	50.433	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	57192	45.746	ug/l	97
56) Ethyl methacrylate	10.66	69	59117	46.475	ug/l #	90
57) 1,3-Dichloropropane	10.95	76	89947	45.419	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	133568	230.763	ug/l	92
59) 2-Hexanone	10.98	43	95035	229.582	ug/l	98
60) Dibromochloromethane	11.14	129	97638	51.809	ug/l	97
61) 1,2-Dibromoethane	11.25	107	58127	47.280	ug/l	99
64) Tetrachloroethene	10.88	164	96541	47.720	ug/l	95
65) Chlorobenzene	11.67	112	258313	50.475	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	109598	52.507	ug/l	92
67) Ethyl Benzene	11.75	91	449631	51.575	ug/l	98
68) m/p-Xylenes	11.86	106	349335	101.623	ug/l	99
69) o-Xylene	12.18	106	159764	52.351	ug/l	99
70) Styrene	12.20	104	276061	52.022	ug/l	99
71) Bromoform	12.36	173	55568	50.292	ug/l #	99
73) Isopropylbenzene	12.48	105	455502	51.090	ug/l	99
74) N-amyl acetate	12.29	43	48923	44.362	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	51459	43.718	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	51551m	54.603	ug/l	
77) Bromobenzene	12.77	156	112548	50.778	ug/l	97
78) n-propylbenzene	12.83	91	500604	50.660	ug/l	99
79) 2-Chlorotoluene	12.91	91	291648	50.169	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	404801	52.441	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	18153	45.994	ug/l	99
82) 4-Chlorotoluene	13.01	91	310467	50.066	ug/l	100
83) tert-Butylbenzene	13.23	119	357074	54.360	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	396858	51.702	ug/l	99
85) sec-Butylbenzene	13.41	105	449728	51.297	ug/l	100
86) p-Isopropyltoluene	13.52	119	447791	52.114	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	209804	49.070	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	211669	49.485	ug/l	98
89) n-Butylbenzene	13.85	91	361964	50.705	ug/l	98
90) Hexachloroethane	14.11	117	79999	50.429	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	187434	50.545	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	11246	45.780	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	136648	52.681	ug/l	99
94) Hexachlorobutadiene	15.27	225	87808	51.878	ug/l	98
95) Naphthalene	15.41	128	210745	49.930	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	114206	50.984	ug/l	99

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

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