

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102519\
 Data File : VD064081.D
 Acq On : 25 Oct 2019 22:40
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/28/2019 12:39:32 PM

Quant Time: Oct 26 01:23:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 05 03:51:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	117762	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	193787	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	209726	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	125405	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	65653	57.26	ug/l	0.00
Spiked Amount			Recovery	=	114.52%	
35) Dibromofluoromethane	7.92	113	64202	54.21	ug/l	0.00
Spiked Amount			Recovery	=	108.42%	
50) Toluene-d8	10.34	98	267039	55.55	ug/l	0.00
Spiked Amount			Recovery	=	111.10%	
62) 4-Bromofluorobenzene	12.64	95	94183	56.38	ug/l	0.00
Spiked Amount			Recovery	=	112.76%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.98	85	32493	38.907	ug/l	92
3) Chloromethane	2.21	50	121380	54.171	ug/l	98
4) Vinyl Chloride	2.35	62	133909	49.611	ug/l	99
5) Bromomethane	2.77	94	98258	56.623	ug/l	92
6) Chloroethane	2.93	64	99186	55.564	ug/l #	87
7) Trichlorofluoromethane	3.27	101	205975	57.717	ug/l	99
8) Diethyl Ether	3.70	74	30140	52.618	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.09	101	46162	46.730	ug/l	90
10) Methyl Iodide	4.30	142	57267	42.071	ug/l	99
11) Tert butyl alcohol	5.24	59	20661	259.709	ug/l #	71
12) 1,1-Dichloroethene	4.06	96	41668	42.219	ug/l	82
13) Acrolein	3.93	56	25462	248.656	ug/l	93
14) Allyl chloride	4.71	41	85449	52.076	ug/l	98
15) Acrylonitrile	5.43	53	80264	317.825	ug/l	99
16) Acetone	4.17	43	78156	261.832	ug/l #	81
17) Carbon Disulfide	4.40	76	137489	38.323	ug/l #	92
18) Methyl Acetate	4.73	43	40986	70.202	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	138907	54.352	ug/l	96
20) Methylene Chloride	4.97	84	72057	54.687	ug/l #	85
21) trans-1,2-Dichloroethene	5.47	96	63314	51.532	ug/l	98
22) Diisopropyl ether	6.37	45	210498	62.814	ug/l	96
23) Vinyl Acetate	6.31	43	605108	303.532	ug/l	98
24) 1,1-Dichloroethane	6.27	63	119292	57.792	ug/l	93
25) 2-Butanone	7.22	43	105438	298.057	ug/l	98
26) 2,2-Dichloropropane	7.21	77	86755	46.462	ug/l	96
27) cis-1,2-Dichloroethene	7.21	96	72344	52.022	ug/l	94
28) Bromochloromethane	7.55	49	51839	65.457	ug/l	96
29) Tetrahydrofuran	7.58	42	61803	299.320	ug/l	99
30) Chloroform	7.72	83	128090	57.134	ug/l	99
31) Cyclohexane	7.99	56	92434	54.523	ug/l	95
32) 1,1,1-Trichloroethane	7.90	97	103200	53.662	ug/l	99
36) 1,1-Dichloropropene	8.11	75	91002	51.360	ug/l	98
37) Ethyl Acetate	7.31	43	42514	60.691	ug/l	97
38) Carbon Tetrachloride	8.10	117	88130	49.220	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	102566	47.079	ug/l	94
40) Benzene	8.35	78	293376	57.779	ug/l	98
41) Methacrylonitrile	7.53	41	28482	69.334	ug/l #	78
42) 1,2-Dichloroethane	8.43	62	88572	60.304	ug/l	100
43) Isopropyl Acetate	8.46	43	82805	55.726	ug/l	99
44) Trichloroethene	9.12	130	75603	51.635	ug/l	97
45) 1,2-Dichloropropane	9.40	63	74826	60.207	ug/l	92
46) Dibromomethane	9.48	93	43932	62.069	ug/l	99
47) Bromodichloromethane	9.67	83	106094	58.219	ug/l	96
48) Methyl methacrylate	9.46	41	38958	54.720	ug/l	93
49) 1,4-Dioxane	9.47	88	11905	1232.224	ug/l	93
51) 4-Methyl-2-Pentanone	10.24	43	227114	294.710	ug/l	96
52) Toluene	10.41	92	202323	58.045	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	101100	56.854	ug/l	91
54) cis-1,3-Dichloropropene	10.10	75	120279	58.760	ug/l	92
55) 1,1,2-Trichloroethane	10.80	97	61005	61.043	ug/l	97
56) Ethyl methacrylate	10.67	69	72254	57.092	ug/l	96
57) 1,3-Dichloropropane	10.95	76	104006	60.826	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	152667	280.643	ug/l	97
59) 2-Hexanone	10.99	43	168810	302.822	ug/l	100
60) Dibromochloromethane	11.14	129	80445	61.829	ug/l	98
61) 1,2-Dibromoethane	11.25	107	61557	63.535	ug/l	99
64) Tetrachloroethene	10.88	164	78030	54.500	ug/l	95
65) Chlorobenzene	11.67	112	237849	56.471	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	89256	57.511	ug/l	96
67) Ethyl Benzene	11.75	91	407436	53.647	ug/l	99
68) m/p-Xylenes	11.86	106	327850	111.840	ug/l	98
69) o-Xylene	12.18	106	154259	54.956	ug/l	97
70) Styrene	12.20	104	273115	57.476	ug/l	98
71) Bromoform	12.37	173	53128	63.787	ug/l #	97
73) Isopropylbenzene	12.48	105	403256	47.834	ug/l	97
74) N-amyl acetate	12.30	43	83910	46.230	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.74	83	74011	50.451	ug/l	96
76) 1,2,3-Trichloropropane	12.78	75	54232m	64.568	ug/l	
77) Bromobenzene	12.77	156	108920	51.858	ug/l	97
78) n-propylbenzene	12.83	91	489912	49.509	ug/l	100
79) 2-Chlorotoluene	12.91	91	275836	50.553	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	354262	50.370	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.54	75	22356	47.101	ug/l	96
82) 4-Chlorotoluene	13.01	91	290119	50.123	ug/l	99
83) tert-Butylbenzene	13.23	119	312869	49.984	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	369060	50.899	ug/l	98
85) sec-Butylbenzene	13.41	105	424371	50.203	ug/l	99
86) p-Isopropyltoluene	13.52	119	410270	51.291	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	223151	53.770	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	217281	53.070	ug/l	97
89) n-Butylbenzene	13.85	91	371682	49.920	ug/l	99
90) Hexachloroethane	14.11	117	74198	51.575	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	196577	54.964	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	11913	52.383	ug/l	85

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	141422	51.247	ug/l	99
94) Hexachlorobutadiene	15.27	225	74609	48.993	ug/l	93
95) Naphthalene	15.41	128	249458	53.782	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	123986	52.073	ug/l	98

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

