

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102519\
 Data File : VD064061.D
 Acq On : 25 Oct 2019 13:01
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/28/2019 12:39:16 PM

Quant Time: Oct 26 00:14:33 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	7.98	168	173101	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	264207	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	265666	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	151728	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	77455	45.96	ug/l	0.00
Spiked Amount			Recovery	=	91.92%	
35) Dibromofluoromethane	7.91	113	78519	48.63	ug/l	0.00
Spiked Amount			Recovery	=	97.26%	
50) Toluene-d8	10.34	98	327276	49.94	ug/l	0.00
Spiked Amount			Recovery	=	99.88%	
62) 4-Bromofluorobenzene	12.64	95	108466	47.63	ug/l	0.00
Spiked Amount			Recovery	=	95.26%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	55280	45.031	ug/l	96
3) Chloromethane	2.21	50	162460	48.896	ug/l	99
4) Vinyl Chloride	2.35	62	200071	50.426	ug/l	99
5) Bromomethane	2.77	94	122468	48.013	ug/l	99
6) Chloroethane	2.92	64	132107	50.347	ug/l	91
7) Trichlorofluoromethane	3.27	101	280385	53.450	ug/l	99
8) Diethyl Ether	3.70	74	38855	46.147	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.09	101	75852	52.237	ug/l	96
10) Methyl Iodide	4.29	142	88260	44.111	ug/l	100
11) Tert butyl alcohol	5.24	59	23657	200.471	ug/l	98
12) 1,1-Dichloroethene	4.06	96	69699	48.044	ug/l	95
13) Acrolein	3.92	56	43018	285.800	ug/l	92
14) Allyl chloride	4.70	41	109330	45.329	ug/l	100
15) Acrylonitrile	5.43	53	91786	247.257	ug/l	96
16) Acetone	4.16	43	105204	239.772	ug/l	91
17) Carbon Disulfide	4.40	76	211851	40.172	ug/l	98
18) Methyl Acetate	4.73	43	41538	48.402	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	167657	44.629	ug/l	98
20) Methylene Chloride	4.96	84	89208	45.554	ug/l	92
21) trans-1,2-Dichloroethene	5.47	96	87348	48.366	ug/l	94
22) Diisopropyl ether	6.37	45	232243	47.147	ug/l	99
23) Vinyl Acetate	6.31	43	684550	233.605	ug/l	97
24) 1,1-Dichloroethane	6.26	63	145483	47.948	ug/l	98
25) 2-Butanone	7.23	43	120923	232.550	ug/l	99
26) 2,2-Dichloropropane	7.21	77	127940	46.614	ug/l	96
27) cis-1,2-Dichloroethene	7.21	96	98514	48.193	ug/l	98
28) Bromochloromethane	7.54	49	58517	50.700	ug/l	96
29) Tetrahydrofuran	7.57	42	68726	226.440	ug/l	98
30) Chloroform	7.71	83	160460	48.691	ug/l	91
31) Cyclohexane	7.98	56	131217	52.507	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	143614	50.803	ug/l	99
36) 1,1-Dichloropropene	8.11	75	125928	52.129	ug/l	97
37) Ethyl Acetate	7.30	43	46066	47.344	ug/l	97
38) Carbon Tetrachloride	8.10	117	131195	53.743	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	154812	52.121	ug/l	94
40) Benzene	8.35	78	355238	51.315	ug/l	98
41) Methacrylonitrile	7.53	41	27737	49.524	ug/l	87
42) 1,2-Dichloroethane	8.43	62	96784	48.332	ug/l	99
43) Isopropyl Acetate	8.46	43	93416	46.111	ug/l	96
44) Trichloroethene	9.11	130	102948	51.571	ug/l	98
45) 1,2-Dichloropropane	9.39	63	84523	49.883	ug/l	95
46) Dibromomethane	9.48	93	48862	50.634	ug/l	97
47) Bromodichloromethane	9.67	83	123627	49.759	ug/l	98
48) Methyl methacrylate	9.46	41	41631	42.889	ug/l	90
49) 1,4-Dioxane	9.47	88	13174	1000.134	ug/l	92
51) 4-Methyl-2-Pentanone	10.23	43	249284	237.260	ug/l	99
52) Toluene	10.41	92	246932	51.961	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	118884	49.036	ug/l #	85
54) cis-1,3-Dichloropropene	10.09	75	136580	48.940	ug/l	94
55) 1,1,2-Trichloroethane	10.80	97	71899	52.768	ug/l	93
56) Ethyl methacrylate	10.67	69	84385	48.906	ug/l	97
57) 1,3-Dichloropropane	10.95	76	114748	49.222	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	186044	250.845	ug/l	99
59) 2-Hexanone	10.99	43	189025	248.708	ug/l	98
60) Dibromochloromethane	11.14	129	92249	52.004	ug/l	100
61) 1,2-Dibromoethane	11.26	107	68688	52.000	ug/l	100
64) Tetrachloroethene	10.88	164	94633	52.178	ug/l	96
65) Chlorobenzene	11.67	112	279026	52.298	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	102635	52.207	ug/l	98
67) Ethyl Benzene	11.75	91	504987	52.490	ug/l	100
68) m/p-Xylenes	11.86	106	397946	107.167	ug/l	97
69) o-Xylene	12.19	106	185676	52.220	ug/l	93
70) Styrene	12.20	104	316697	52.614	ug/l	98
71) Bromoform	12.37	173	57490	54.490	ug/l #	96
73) Isopropylbenzene	12.48	105	505682	49.577	ug/l	97
74) N-amyl acetate	12.30	43	89950	40.960	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	81713	46.038	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	47894m	47.129	ug/l	
77) Bromobenzene	12.77	156	124169	48.862	ug/l	94
78) n-propylbenzene	12.83	91	605241	50.552	ug/l	100
79) 2-Chlorotoluene	12.91	91	314001	47.564	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	426067	50.069	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.54	75	25116	43.735	ug/l	94
82) 4-Chlorotoluene	13.01	91	333196	47.578	ug/l	98
83) tert-Butylbenzene	13.23	119	384078	50.715	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	428602	48.856	ug/l	98
85) sec-Butylbenzene	13.41	105	531813	51.998	ug/l	98
86) p-Isopropyltoluene	13.52	119	507399	52.428	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	254663	50.717	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	250019	50.472	ug/l	97
89) n-Butylbenzene	13.85	91	468381	51.993	ug/l	99
90) Hexachloroethane	14.11	117	92446	53.111	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	216148	49.951	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	12324	44.414	ug/l	76

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	166256	49.794	ug/l	99
94) Hexachlorobutadiene	15.27	225	95823	52.007	ug/l	94
95) Naphthalene	15.41	128	276074	49.195	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	139747	48.510	ug/l	99

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

