

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121719\
 Data File : VD064536.D
 Acq On : 17 Dec 2019 10:36
 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
 12/18/2019 1:00:37 PM

Quant Time: Dec 18 02:52:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 07:18:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	409563	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	587382	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	518756	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	253975	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	190390	51.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.72%	
35) Dibromofluoromethane	7.92	113	203015	54.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.72%	
50) Toluene-d8	10.34	98	754163	54.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.20%	
62) 4-Bromofluorobenzene	12.64	95	233525	52.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	168669	45.451	ug/l	98
3) Chloromethane	2.21	50	215962	46.139	ug/l	97
4) Vinyl Chloride	2.35	62	266679	49.346	ug/l	100
5) Bromomethane	2.77	94	176959	44.278	ug/l	98
6) Chloroethane	2.93	64	178824	49.505	ug/l	98
7) Trichlorofluoromethane	3.27	101	468486	52.145	ug/l	99
8) Diethyl Ether	3.70	74	88622	47.469	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	197982	51.395	ug/l	97
10) Methyl Iodide	4.30	142	206997	50.884	ug/l	99
11) Tert butyl alcohol	5.26	59	47630	201.840	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	185310	50.198	ug/l	97
13) Acrolein	3.92	56	71500	222.139	ug/l	100
14) Allyl chloride	4.71	41	287856	49.964	ug/l	98
15) Acrylonitrile	5.43	53	185071	226.695	ug/l	98
16) Acetone	4.17	43	216672	289.228	ug/l	96
17) Carbon Disulfide	4.40	76	552510	47.256	ug/l	98
18) Methyl Acetate	4.73	43	96935	44.360	ug/l	96
19) Methyl tert-butyl Ether	5.49	73	398693	47.082	ug/l	98
20) Methylene Chloride	4.96	84	189491	49.761	ug/l	97
21) trans-1,2-Dichloroethene	5.46	96	208065	49.827	ug/l	99
22) Diisopropyl ether	6.37	45	569392	50.064	ug/l	97
23) Vinyl Acetate	6.31	43	1617843	241.290	ug/l	99
24) 1,1-Dichloroethane	6.27	63	348645	50.973	ug/l	99
25) 2-Butanone	7.22	43	247989	234.076	ug/l	100
26) 2,2-Dichloropropane	7.21	77	323760	54.430	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	229060	50.315	ug/l	99
28) Bromochloromethane	7.55	49	125864	53.846	ug/l	100
29) Tetrahydrofuran	7.57	42	144224	213.969	ug/l	98
30) Chloroform	7.71	83	364827	51.503	ug/l	99
31) Cyclohexane	7.98	56	316957	53.389	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	343542	52.311	ug/l	99
36) 1,1-Dichloropropene	8.11	75	287292	51.710	ug/l	99
37) Ethyl Acetate	7.30	43	107381	45.550	ug/l	99
38) Carbon Tetrachloride	8.09	117	315901	53.874	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	348616	50.585	ug/l	99
40) Benzene	8.35	78	787232	51.017	ug/l	98
41) Methacrylonitrile	7.53	41	75489	55.837	ug/l	97
42) 1,2-Dichloroethane	8.43	62	221901	49.311	ug/l	99
43) Isopropyl Acetate	8.46	43	218259	47.087	ug/l	99
44) Trichloroethene	9.11	130	234653	50.483	ug/l	97
45) 1,2-Dichloropropane	9.38	63	189525	51.356	ug/l	98
46) Dibromomethane	9.48	93	102072	49.006	ug/l	99
47) Bromodichloromethane	9.66	83	278334	52.007	ug/l	99
48) Methyl methacrylate	9.46	41	98002	46.205	ug/l	95
49) 1,4-Dioxane	9.47	88	22521	875.612	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	529240	230.761	ug/l	100
52) Toluene	10.40	92	515647	51.276	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	258914	50.762	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	314228	51.859	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	137758	48.302	ug/l	97
56) Ethyl methacrylate	10.66	69	171433	47.128	ug/l	98
57) 1,3-Dichloropropane	10.95	76	237103	48.838	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	308895	213.018	ug/l	100
59) 2-Hexanone	10.98	43	390348	245.285	ug/l	99
60) Dibromochloromethane	11.14	129	191845	49.612	ug/l	98
61) 1,2-Dibromoethane	11.25	107	135174	47.469	ug/l	100
64) Tetrachloroethene	10.87	164	204838	51.780	ug/l	94
65) Chlorobenzene	11.67	112	544989	50.371	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	207080	51.702	ug/l	99
67) Ethyl Benzene	11.75	91	993216	51.594	ug/l	100
68) m/p-Xylenes	11.86	106	764691	104.181	ug/l	100
69) o-Xylene	12.18	106	349120	51.501	ug/l	100
70) Styrene	12.20	104	598548	50.810	ug/l	100
71) Bromoform	12.36	173	116055	48.431	ug/l #	98
73) Isopropylbenzene	12.48	105	961121	52.618	ug/l	100
74) N-amyl acetate	12.29	43	200086	48.263	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	143382	47.467	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	110425m	52.870	ug/l	
77) Bromobenzene	12.77	156	229371	50.850	ug/l	98
78) n-propylbenzene	12.83	91	1107186	52.534	ug/l	100
79) 2-Chlorotoluene	12.91	91	598908	51.644	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	766178	51.328	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	48222	50.344	ug/l	97
82) 4-Chlorotoluene	13.01	91	626038	50.987	ug/l	100
83) tert-Butylbenzene	13.23	119	677014	52.170	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	765714	51.015	ug/l	99
85) sec-Butylbenzene	13.41	105	925242	51.948	ug/l	100
86) p-Isopropyltoluene	13.53	119	874029	51.979	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	432245	50.488	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	418658	49.531	ug/l	99
89) n-Butylbenzene	13.86	91	796051	52.131	ug/l	100
90) Hexachloroethane	14.12	117	167923	53.392	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	366545	50.097	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	21474	47.345	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	271957	48.534	ug/l	99
94) Hexachlorobutadiene	15.28	225	174833	50.541	ug/l	99
95) Naphthalene	15.42	128	433528	46.359	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	228419	47.755	ug/l	99

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

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