

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051219\
 Data File : VD062252.D
 Acq On : 12 May 2019 11:51
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050

Manual Integrations
 APPROVED

Quant Time: May 13 01:47:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	897968	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.23	114	1218377	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.37	117	1028957	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	526185	50.00	ug/l	0.02

System Monitoring Compounds

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33) 1,2-Dichloroethane-d4	7.46	65	411902	49.36	ug/l	0.04
Spiked Amount	50.000		Recovery	=	98.72%	
35) Dibromofluoromethane	6.94	113	500160	49.48	ug/l	0.05
Spiked Amount	50.000		Recovery	=	98.96%	
50) Toluene-d8	10.43	98	1120128	45.96	ug/l	0.03
Spiked Amount	50.000		Recovery	=	91.92%	
62) 4-Bromofluorobenzene	13.57	95	477738	48.81	ug/l	0.02
Spiked Amount	50.000		Recovery	=	97.62%	

5/13/2019 11:55:54 AM

Target Compounds

Qvalue

2) Dichlorodifluoromethane	1.59	85	429533	50.014	ug/l	100
3) Chloromethane	1.76	50	275813	44.445	ug/l	100
4) Vinyl Chloride	1.85	62	290636	47.654	ug/l	98
5) Bromomethane	2.16	94	88403	61.861	ug/l	93
6) Chloroethane	2.28	64	137416	53.696	ug/l	97
7) Trichlorofluoromethane	2.54	101	670562	56.554	ug/l	97
8) Diethyl Ether	2.89	74	86638	37.887	ug/l	77
9) 1,1,2-Trichlorotrifluoroet	3.16	101	438624	48.902	ug/l	95
10) Methyl Iodide	3.32	142	585864	43.218	ug/l #	88
11) Tert butyl alcohol	4.08	59	109226	256.421	ug/l	96
12) 1,1-Dichloroethene	3.14	96	340947	49.796	ug/l	92
13) Acrolein	3.05	56	88777	201.502	ug/l	87
14) Allyl chloride	3.64	41	474165	47.630	ug/l #	86
15) Acrylonitrile	4.22	53	259570	231.837	ug/l #	86
16) Acetone	3.23	43	528422	301.952	ug/l #	86
17) Carbon Disulfide	3.39	76	932564	47.347	ug/l	100
18) Methyl Acetate	3.66	43	139569	44.559	ug/l	99
19) Methyl tert-butyl Ether	4.25	73	735548	50.120	ug/l	96
20) Methylene Chloride	3.83	84	357761	48.962	ug/l	90
21) trans-1,2-Dichloroethene	4.24	96	377122	49.498	ug/l	94
22) Diisopropyl ether	5.14	45	1060006	50.036	ug/l	95
23) Vinyl Acetate	5.07	43	3135462	280.522	ug/l	97
24) 1,1-Dichloroethane	5.00	63	622727	48.727	ug/l	99
25) 2-Butanone	6.09	43	544729	285.370	ug/l	97
26) 2,2-Dichloropropane	6.04	77	739468	58.087	ug/l	92
27) cis-1,2-Dichloroethene	6.06	96	456912	53.577	ug/l	98
28) Bromochloromethane	6.46	49	289317	57.540	ug/l	89
29) Tetrahydrofuran	6.47	42	217092	246.830	ug/l	94
30) Chloroform	6.68	83	817910	53.104	ug/l	99
31) Cyclohexane	6.97	56	449933	51.388	ug/l	95
32) 1,1,1-Trichloroethane	6.88	97	817632	56.164	ug/l	98
36) 1,1-Dichloropropene	7.16	75	555767	55.635	ug/l	95
37) Ethyl Acetate	6.19	43	212265	50.105	ug/l #	91
38) Carbon Tetrachloride	7.13	117	780462m	56.447	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	501579	52.405	ug/l	97
40) Benzene	7.47	78	1156884	51.286	ug/l	97
41) Methacrylonitrile	6.46	41	273020	52.736	ug/l	90
42) 1,2-Dichloroethane	7.59	62	522408	54.661	ug/l	96
43) Isopropyl Acetate	9.26	43	317636	52.867	ug/l #	96
44) Trichloroethene	8.56	130	463328	53.902	ug/l	83
45) 1,2-Dichloropropane	8.96	63	283705	50.847	ug/l	99
46) Dibromomethane	9.08	93	241237	53.168	ug/l	92
47) Bromodichloromethane	9.39	83	613402	55.270	ug/l	98
48) Methyl methacrylate	9.14	41	201320	54.399	ug/l #	88
49) 1,4-Dioxane	9.10	88	39112	979.516	ug/l #	94
51) 4-Methyl-2-Pentanone	10.32	43	1030861	266.916	ug/l	96
52) Toluene	10.52	92	765080	52.128	ug/l	99
53) t-1,3-Dichloropropene	10.93	75	533800	55.650	ug/l	99
54) cis-1,3-Dichloropropene	10.05	75	586121	56.012	ug/l	91
55) 1,1,2-Trichloroethane	11.20	97	272388	52.453	ug/l	97
56) Ethyl methacrylate	11.06	69	267917	49.648	ug/l #	89
57) 1,3-Dichloropropane	11.42	76	410065	52.268	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.88	63	814851	276.440	ug/l	99
59) 2-Hexanone	11.55	43	723400	254.134	ug/l	92
60) Dibromochloromethane	11.70	129	473953	52.810	ug/l	100
61) 1,2-Dibromoethane	11.81	107	318251	50.408	ug/l	96
64) Tetrachloroethene	11.27	164	397680	49.426	ug/l	95
65) Chlorobenzene	12.40	112	913878	47.686	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	396108	47.491	ug/l	96
67) Ethyl Benzene	12.53	91	1562185	48.690	ug/l	96
68) m/p-Xylenes	12.68	106	1138196	97.506	ug/l	95
69) o-Xylene	13.06	106	497812	45.871	ug/l	90
70) Styrene	13.08	104	926297	50.386	ug/l	96
71) Bromoform	13.24	173	292345	50.379	ug/l	99
73) Isopropylbenzene	13.41	105	1716869	54.433	ug/l	94
74) N-amyl acetate	13.27	43	379389	45.878	ug/l	94
75) 1,1,2,2-Tetrachloroethane	13.71	83	300127	50.263	ug/l	97
76) 1,2,3-Trichloropropane	13.74	75	319964	51.167	ug/l	100
77) Bromobenzene	13.68	156	456603	51.713	ug/l	95
78) n-propylbenzene	13.78	91	1951274	51.861	ug/l	97
79) 2-Chlorotoluene	13.85	91	1105421	51.299	ug/l	94
80) 1,3,5-Trimethylbenzene	13.94	105	1360680	51.230	ug/l	92
81) trans-1,4-Dichloro-2-buten	13.48	75	88481	50.121	ug/l #	80
82) 4-Chlorotoluene	13.96	91	1247311	49.189	ug/l	92
83) tert-Butylbenzene	14.20	119	1515369	50.760	ug/l	92
84) 1,2,4-Trimethylbenzene	14.24	105	1345377	50.477	ug/l	91
85) sec-Butylbenzene	14.37	105	1672710	51.104	ug/l	95
86) p-Isopropyltoluene	14.50	119	1503450	51.411	ug/l	94
87) 1,3-Dichlorobenzene	14.46	146	770062	47.743	ug/l	99
88) 1,4-Dichlorobenzene	14.55	146	727215	45.886	ug/l	95
89) n-Butylbenzene	14.81	91	1387740	52.869	ug/l	96
90) Hexachloroethane	15.01	117	402527	50.615	ug/l	97
91) 1,2-Dichlorobenzene	14.82	146	640795	48.240	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.39	75	52970	54.042	ug/l	73

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Quant Title : SW846 8260
QLast Update : Tue May 07 14:26:29 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	555928	57.498	ug/l	94
94) Hexachlorobutadiene	16.05	225	411489	57.221	ug/l	99
95) Naphthalene	16.13	128	732589	54.272	ug/l	100
96) 1,2,3-Trichlorobenzene	16.28	180	370884	61.010	ug/l	94

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

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