

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050719\
 Data File : VD062144.D
 Acq On : 7 May 2019 20:24
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/9/2019 12:56:37 AM

Quant Time: May 08 04:37:59 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	7.02	168	827178	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	1191997	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.35	117	913598	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	515041	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.43	65	366130	47.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.26%	
35) Dibromofluoromethane	6.89	113	475733	48.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.20%	
50) Toluene-d8	10.39	98	1094261	45.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.78%	
62) 4-Bromofluorobenzene	13.54	95	432322	45.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.55	85	358999	45.378	ug/l	100
3) Chloromethane	1.73	50	257709	45.082	ug/l	98
4) Vinyl Chloride	1.83	62	275002	48.950	ug/l	99
5) Bromomethane	2.13	94	68044	51.690	ug/l	91
6) Chloroethane	2.23	64	118453	50.247	ug/l	97
7) Trichlorofluoromethane	2.50	101	483117	44.232	ug/l	96
8) Diethyl Ether	2.84	74	112444	53.380	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	3.12	101	382887	46.341	ug/l	97
10) Methyl Iodide	3.28	142	569415	45.599	ug/l	93
11) Tert butyl alcohol	4.03	59	102730	261.810	ug/l #	90
12) 1,1-Dichloroethene	3.10	96	319135	50.599	ug/l	96
13) Acrolein	3.01	56	101961	251.232	ug/l	100
14) Allyl chloride	3.59	41	418692	45.657	ug/l	90
15) Acrylonitrile	4.16	53	258717	250.850	ug/l	89
16) Acetone	3.19	43	357665	221.868	ug/l	93
17) Carbon Disulfide	3.36	76	954393	52.602	ug/l	100
18) Methyl Acetate	3.61	43	149263	51.782	ug/l	97
19) Methyl tert-butyl Ether	4.20	73	668831	49.474	ug/l	98
20) Methylene Chloride	3.79	84	357328	53.087	ug/l	97
21) trans-1,2-Dichloroethene	4.19	96	339162	48.325	ug/l	96
22) Diisopropyl ether	5.08	45	931913	47.754	ug/l	99
23) Vinyl Acetate	5.02	43	2710842	263.288	ug/l	99
24) 1,1-Dichloroethane	4.95	63	558399	47.433	ug/l	99
25) 2-Butanone	6.03	43	450666	256.298	ug/l	95
26) 2,2-Dichloropropane	5.99	77	522404	44.548	ug/l	98
27) cis-1,2-Dichloroethene	6.00	96	387109	49.277	ug/l	98
28) Bromochloromethane	6.41	49	246679	53.259	ug/l	98
29) Tetrahydrofuran	6.43	42	223672	276.075	ug/l	97
30) Chloroform	6.63	83	686221	48.367	ug/l	99
31) Cyclohexane	6.93	56	403591	50.040	ug/l	96
32) 1,1,1-Trichloroethane	6.84	97	629338	46.930	ug/l	99
36) 1,1-Dichloropropene	7.11	75	467798	47.865	ug/l	96
37) Ethyl Acetate	6.14	43	199734	48.190	ug/l	96
38) Carbon Tetrachloride	7.09	117	632199m	46.736	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.84	83	453422	48.422	ug/l	97
40) Benzene	7.43	78	1035362	46.915	ug/l	97
41) Methacrylonitrile	6.42	41	263847	52.092	ug/l #	91
42) 1,2-Dichloroethane	7.55	62	463531	49.574	ug/l	98
43) Isopropyl Acetate	9.21	43	295291	50.236	ug/l #	96
44) Trichloroethene	8.51	130	395513	47.031	ug/l	92
45) 1,2-Dichloropropane	8.92	63	251470	46.067	ug/l	96
46) Dibromomethane	9.03	93	218557	49.235	ug/l	92
47) Bromodichloromethane	9.35	83	514283	47.364	ug/l	98
48) Methyl methacrylate	9.09	41	188168	51.970	ug/l	90
49) 1,4-Dioxane	9.04	88	41061	1051.085	ug/l	99
51) 4-Methyl-2-Pentanone	10.27	43	967442	256.039	ug/l	95
52) Toluene	10.49	92	672298	46.820	ug/l	100
53) t-1,3-Dichloropropene	10.89	75	467009	49.764	ug/l	96
54) cis-1,3-Dichloropropene	10.02	75	505633	49.390	ug/l	96
55) 1,1,2-Trichloroethane	11.17	97	243007	47.831	ug/l	97
56) Ethyl methacrylate	11.02	69	267459	50.660	ug/l	91
57) 1,3-Dichloropropane	11.39	76	369659	48.161	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.83	63	744541	258.178	ug/l	100
59) 2-Hexanone	11.51	43	706338	253.632	ug/l	95
60) Dibromochloromethane	11.66	129	436726	49.739	ug/l	99
61) 1,2-Dibromoethane	11.79	107	305822	49.512	ug/l	96
64) Tetrachloroethene	11.24	164	356146	49.853	ug/l	93
65) Chlorobenzene	12.38	112	829279	48.735	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.50	131	374250	50.536	ug/l	98
67) Ethyl Benzene	12.51	91	1434815	50.367	ug/l	98
68) m/p-Xylenes	12.66	106	1003577	96.829	ug/l	99
69) o-Xylene	13.04	106	499085	51.796	ug/l	96
70) Styrene	13.06	104	876052	53.670	ug/l	97
71) Bromoform	13.23	173	259552	50.375	ug/l #	98
73) Isopropylbenzene	13.39	105	1442250	46.715	ug/l	99
74) N-amyl acetate	13.26	43	393739	48.644	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.69	83	290738	49.744	ug/l	96
76) 1,2,3-Trichloropropane	13.72	75	287492	46.969	ug/l	99
77) Bromobenzene	13.66	156	412723	47.755	ug/l	99
78) n-propylbenzene	13.76	91	1623083	44.072	ug/l	95
79) 2-Chlorotoluene	13.83	91	898675	42.607	ug/l	93
80) 1,3,5-Trimethylbenzene	13.92	105	1226514	47.178	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.46	75	87179	50.452	ug/l	88
82) 4-Chlorotoluene	13.93	91	1064382	42.884	ug/l	89
83) tert-Butylbenzene	14.18	119	1370358	46.896	ug/l	99
84) 1,2,4-Trimethylbenzene	14.23	105	1237090	47.419	ug/l	96
85) sec-Butylbenzene	14.36	105	1485001	46.351	ug/l	99
86) p-Isopropyltoluene	14.49	119	1340643	46.836	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	724039	45.861	ug/l	98
88) 1,4-Dichlorobenzene	14.53	146	703164	45.329	ug/l	99
89) n-Butylbenzene	14.79	91	1229285	47.846	ug/l	97
90) Hexachloroethane	15.00	117	366015	47.020	ug/l	88
91) 1,2-Dichlorobenzene	14.80	146	653490	50.260	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.37	75	44844	46.741	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.93	180	475600	50.254	ug/l	96
94) Hexachlorobutadiene	16.03	225	322756	45.853	ug/l	99
95) Naphthalene	16.12	128	707477	53.546	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	328087	55.138	ug/l	95

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

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