

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050719\
 Data File : VD062138.D
 Acq On : 7 May 2019 12:35
 Operator : FY/SY
 Sample : VSTDIC020
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 5/9/2019 12:56:32 AM

Quant Time: May 07 14:18:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 13:42:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	903065	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	1260253	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1063224	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	550846	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.43	65	173539	20.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.36%	
35) Dibromofluoromethane	6.91	113	212492	18.64	ug/l	0.02
Spiked Amount	50.000		Recovery	=	37.28%	
50) Toluene-d8	10.39	98	489832	17.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.02%	
62) 4-Bromofluorobenzene	13.55	95	192554	17.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	34.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	171750	19.657	ug/l	95
3) Chloromethane	1.74	50	125492	21.029	ug/l	95
4) Vinyl Chloride	1.84	62	120982	18.903	ug/l	98
5) Bromomethane	2.14	94	25350	16.536	ug/l	92
6) Chloroethane	2.24	64	35985m	12.811	ug/l	
7) Trichlorofluoromethane	2.51	101	242702	20.013	ug/l	98
8) Diethyl Ether	2.85	74	44149	18.903	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.13	101	182049	19.366	ug/l	96
10) Methyl Iodide	3.29	142	258045	18.621	ug/l	95
11) Tert butyl alcohol	4.05	59	42131	101.433	ug/l	97
12) 1,1-Dichloroethene	3.11	96	132203	17.651	ug/l	94
13) Acrolein	3.01	56	48787	114.771	ug/l	100
14) Allyl chloride	3.60	41	190524	18.219	ug/l	87
15) Acrylonitrile	4.17	53	111130	100.347	ug/l	94
16) Acetone	3.21	43	166316	92.098	ug/l #	84
17) Carbon Disulfide	3.36	76	363972	17.739	ug/l	100
18) Methyl Acetate	3.62	43	60652	19.814	ug/l	98
19) Methyl tert-butyl Ether	4.21	73	288643	19.348	ug/l	94
20) Methylene Chloride	3.80	84	136964	19.180	ug/l	92
21) trans-1,2-Dichloroethene	4.20	96	140705	17.280	ug/l	98
22) Diisopropyl ether	5.10	45	391528	18.327	ug/l	96
23) Vinyl Acetate	5.03	43	1085149	92.863	ug/l	98
24) 1,1-Dichloroethane	4.96	63	248809	19.829	ug/l	99
25) 2-Butanone	6.05	43	185747	100.638	ug/l	98
26) 2,2-Dichloropropane	5.99	77	242899	19.544	ug/l	92
27) cis-1,2-Dichloroethene	6.02	96	153688	18.303	ug/l	93
28) Bromochloromethane	6.42	49	101433	20.318	ug/l	91
29) Tetrahydrofuran	6.44	42	88635	107.557	ug/l	95
30) Chloroform	6.64	83	298629	19.263	ug/l	97
31) Cyclohexane	6.94	56	168553	18.596	ug/l	98
32) 1,1,1-Trichloroethane	6.85	97	295743	19.710	ug/l	98
36) 1,1-Dichloropropene	7.13	75	210194	20.007	ug/l	96
37) Ethyl Acetate	6.16	43	91473	20.083	ug/l #	90
38) Carbon Tetrachloride	7.10	117	283362	19.023	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	194811	18.446	ug/l	95
40) Benzene	7.44	78	461987	19.391	ug/l	97
41) Methacrylonitrile	6.43	41	108376	20.254	ug/l #	89
42) 1,2-Dichloroethane	7.56	62	194200	19.110	ug/l	97
43) Isopropyl Acetate	9.22	43	123765	19.528	ug/l	98
44) Trichloroethene	8.52	130	166042	17.727	ug/l	91
45) 1,2-Dichloropropane	8.93	63	108634	18.419	ug/l	91
46) Dibromomethane	9.04	93	91631	18.933	ug/l	88
47) Bromodichloromethane	9.36	83	227535	19.256	ug/l	98
48) Methyl methacrylate	9.10	41	78142	20.464	ug/l	85
49) 1,4-Dioxane	9.06	88	16445	395.679	ug/l #	92
51) 4-Methyl-2-Pentanone	10.28	43	417795	105.798	ug/l	95
52) Toluene	10.49	92	295770	18.863	ug/l	97
53) t-1,3-Dichloropropene	10.89	75	198335	19.152	ug/l	99
54) cis-1,3-Dichloropropene	10.03	75	216237	18.609	ug/l	97
55) 1,1,2-Trichloroethane	11.18	97	101226	17.593	ug/l	97
56) Ethyl methacrylate	11.03	69	106599	17.783	ug/l #	90
57) 1,3-Dichloropropane	11.40	76	168152	18.881	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.84	63	309426	96.683	ug/l	97
59) 2-Hexanone	11.52	43	311878	105.087	ug/l	97
60) Dibromochloromethane	11.67	129	186868	19.241	ug/l	99
61) 1,2-Dibromoethane	11.79	107	129977	19.656	ug/l	96
64) Tetrachloroethene	11.24	164	155818	18.014	ug/l	95
65) Chlorobenzene	12.39	112	405362	20.771	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	172895	18.725	ug/l	97
67) Ethyl Benzene	12.51	91	679138	19.351	ug/l	93
68) m/p-Xylenes	12.66	106	469443	35.560	ug/l	95
69) o-Xylene	13.04	106	219697	18.540	ug/l	92
70) Styrene	13.07	104	379070	19.567	ug/l	99
71) Bromoform	13.23	173	116713	18.222	ug/l #	97
73) Isopropylbenzene	13.39	105	670223	20.396	ug/l	98
74) N-amyl acetate	13.26	43	169144	19.924	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.69	83	120294	20.422	ug/l	98
76) 1,2,3-Trichloropropane	13.73	75	132372	21.772	ug/l	100
77) Bromobenzene	13.66	156	187906	21.963	ug/l	89
78) n-propylbenzene	13.77	91	763347	20.519	ug/l	97
79) 2-Chlorotoluene	13.84	91	438141	19.944	ug/l	96
80) 1,3,5-Trimethylbenzene	13.93	105	531120	19.704	ug/l	94
81) trans-1,4-Dichloro-2-buten	13.46	75	35824	18.903	ug/l #	80
82) 4-Chlorotoluene	13.95	91	513225	19.788	ug/l	93
83) tert-Butylbenzene	14.18	119	637167	20.383	ug/l	96
84) 1,2,4-Trimethylbenzene	14.23	105	569261	20.964	ug/l	92
85) sec-Butylbenzene	14.36	105	728155	21.762	ug/l	96
86) p-Isopropyltoluene	14.49	119	618698	19.385	ug/l	95
87) 1,3-Dichlorobenzene	14.45	146	319026	19.375	ug/l	99
88) 1,4-Dichlorobenzene	14.54	146	337804	21.636	ug/l	96
89) n-Butylbenzene	14.79	91	519632	20.108	ug/l	94
90) Hexachloroethane	15.00	117	166128	19.973	ug/l	96
91) 1,2-Dichlorobenzene	14.80	146	273965	21.335	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.37	75	19953	20.066	ug/l	68

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	210656	22.506	ug/l	94
94) Hexachlorobutadiene	16.03	225	150528	20.754	ug/l	97
95) Naphthalene	16.12	128	277138	19.781	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	126392	20.460	ug/l	93

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

