

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD020520\
 Data File : VD065064.D
 Acq On : 05 Feb 2020 15:03
 Operator : VA/SY
 Sample : VSTDICC100
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 2/6/2020 10:37:18 AM

Quant Time: Feb 05 15:36:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 05 15:24:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	617061	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	872221	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	774101	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	377934	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	527219	90.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	181.78%	
35) Dibromofluoromethane	7.92	113	516049	95.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	191.78%	
50) Toluene-d8	10.34	98	2072548	99.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	198.96%	
62) 4-Bromofluorobenzene	12.64	95	641120	99.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	199.40%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.99	85	502404	105.714	ug/l	99
3) Chloromethane	2.21	50	559747	83.667	ug/l	96
4) Vinyl Chloride	2.35	62	623197	81.729	ug/l	99
5) Bromomethane	2.76	94	382780	74.997	ug/l	99
6) Chloroethane	2.92	64	382133	76.666	ug/l	97
7) Trichlorofluoromethane	3.27	101	914152	78.206	ug/l	97
8) Diethyl Ether	3.70	74	249854	91.884	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	551026	97.171	ug/l	100
10) Methyl Iodide	4.29	142	707419	117.094	ug/l	99
11) Tert butyl alcohol	5.25	59	149987	471.990	ug/l	98
12) 1,1-Dichloroethene	4.06	96	526575	97.348	ug/l	99
13) Acrolein	3.92	56	180737	445.308	ug/l	98
14) Allyl chloride	4.71	41	880184	101.537	ug/l	99
15) Acrylonitrile	5.43	53	567117	481.819	ug/l	99
16) Acetone	4.17	43	623917	501.068	ug/l	99
17) Carbon Disulfide	4.40	76	1705757	96.132	ug/l	99
18) Methyl Acetate	4.73	43	260170	94.547	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	1161582	97.088	ug/l	96
20) Methylene Chloride	4.96	84	547821	79.727	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	590080	95.312	ug/l	98
22) Diisopropyl ether	6.37	45	1662978	97.360	ug/l	97
23) Vinyl Acetate	6.31	43	4878913	492.830	ug/l	100
24) 1,1-Dichloroethane	6.26	63	982257	93.739	ug/l	100
25) 2-Butanone	7.22	43	759675	482.712	ug/l	97
26) 2,2-Dichloropropane	7.21	77	911970	95.373	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	632115	95.405	ug/l	99
28) Bromochloromethane	7.55	49	383546	94.658	ug/l	99
29) Tetrahydrofuran	7.57	42	462547	474.433	ug/l	99
30) Chloroform	7.71	83	984031	91.194	ug/l	94
31) Cyclohexane	7.98	56	982994	94.676	ug/l	99
32) 1,1,1-Trichloroethane	7.91	97	937670	93.336	ug/l	99
36) 1,1-Dichloropropene	8.11	75	829496	98.787	ug/l	99
37) Ethyl Acetate	7.30	43	332524	96.227	ug/l	99
38) Carbon Tetrachloride	8.10	117	853058	96.815	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	1040775	105.125	ug/l	100
40) Benzene	8.36	78	2274836	98.461	ug/l	99
41) Methacrylonitrile	7.53	41	189952	104.421	ug/l	94
42) 1,2-Dichloroethane	8.43	62	632964	92.673	ug/l	99
43) Isopropyl Acetate	8.46	43	642048	97.846	ug/l	100
44) Trichloroethene	9.11	130	640705	98.445	ug/l	98
45) 1,2-Dichloropropane	9.39	63	543492	96.796	ug/l	97
46) Dibromomethane	9.48	93	280368	92.185	ug/l	98
47) Bromodichloromethane	9.67	83	751620	94.930	ug/l	98
48) Methyl methacrylate	9.46	41	307637	101.882	ug/l	99
49) 1,4-Dioxane	9.47	88	67591	1933.850	ug/l	97
51) 4-Methyl-2-Pentanone	10.24	43	1610895	493.692	ug/l	99
52) Toluene	10.41	92	1463057	98.117	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	743909	98.592	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	886252	99.908	ug/l	100
55) 1,1,2-Trichloroethane	10.81	97	385092	94.092	ug/l	98
56) Ethyl methacrylate	10.67	69	515410	104.945	ug/l	99
57) 1,3-Dichloropropane	10.95	76	675711	96.076	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	767365	448.589	ug/l	100
59) 2-Hexanone	10.99	43	1172420	519.137	ug/l	99
60) Dibromochloromethane	11.14	129	508326	93.213	ug/l	99
61) 1,2-Dibromoethane	11.26	107	376880	95.418	ug/l	100
64) Tetrachloroethene	10.88	164	560896	99.908	ug/l	96
65) Chlorobenzene	11.68	112	1500562	95.246	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	566923	96.118	ug/l	99
67) Ethyl Benzene	11.75	91	2807943	100.552	ug/l	99
68) m/p-Xylenes	11.86	106	2125966	197.797	ug/l	100
69) o-Xylene	12.18	106	963355	100.750	ug/l	99
70) Styrene	12.20	104	1694273	100.145	ug/l	100
71) Bromoform	12.37	173	295886	91.173	ug/l #	99
73) Isopropylbenzene	12.48	105	2645789	102.202	ug/l	100
74) N-amyl acetate	12.30	43	585972	101.752	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	396162	92.000	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	292544m	95.718	ug/l	
77) Bromobenzene	12.77	156	607683	96.216	ug/l	98
78) n-propylbenzene	12.83	91	3086838	100.355	ug/l	100
79) 2-Chlorotoluene	12.91	91	1684783	99.668	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	2130090	100.445	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	148221	101.143	ug/l	97
82) 4-Chlorotoluene	13.01	91	1761575	98.358	ug/l	100
83) tert-Butylbenzene	13.23	119	1904646	105.964	ug/l	97
84) 1,2,4-Trimethylbenzene	13.28	105	2131755	99.533	ug/l	99
85) sec-Butylbenzene	13.41	105	2566334	100.531	ug/l	100
86) p-Isopropyltoluene	13.53	119	2399243	100.904	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	1166340	96.471	ug/l	99
88) 1,4-Dichlorobenzene	13.61	146	1121455	93.474	ug/l	99
89) n-Butylbenzene	13.86	91	2186354	100.743	ug/l	98
90) Hexachloroethane	14.13	117	434150	94.903	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	972097	94.774	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	63906	92.150	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	694376	97.211	ug/l	99
94) Hexachlorobutadiene	15.28	225	428091	94.746	ug/l	99
95) Naphthalene	15.41	128	1182991	103.049	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	590675	96.201	ug/l	99

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

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