

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050719\
 Data File : VD062141.D
 Acq On : 7 May 2019 14:03
 Operator : FY/SY
 Sample : VSTDICC100
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 5/9/2019 12:56:35 AM

Quant Time: May 08 04:19:48 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	884765	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	1302319	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.35	117	1146859	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	522900	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.43	65	860490	102.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	204.30%	
35) Dibromofluoromethane	6.90	113	1062839	90.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	180.46%	
50) Toluene-d8	10.39	98	2522635	87.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	174.52%	
62) 4-Bromofluorobenzene	13.54	95	975025	83.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	167.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.56	85	864365	100.974	ug/l	96
3) Chloromethane	1.74	50	622233	106.425	ug/l	97
4) Vinyl Chloride	1.84	62	649764	103.625	ug/l	100
5) Bromomethane	2.14	94	154455	102.835	ug/l	98
7) Trichlorofluoromethane	2.50	101	1176130	98.989	ug/l	99
8) Diethyl Ether	2.85	74	255121	111.495	ug/l	81
9) 1,1,2-Trichlorotrifluoroet	3.13	101	900805	97.810	ug/l	98
10) Methyl Iodide	3.29	142	1445013	106.433	ug/l	95
11) Tert butyl alcohol	4.05	59	235650	579.076	ug/l	100
12) 1,1-Dichloroethene	3.11	96	736120	100.313	ug/l	99
13) Acrolein	3.02	56	236484	567.835	ug/l	90
14) Allvl chloride	3.59	41	1028633	100.397	ug/l	90
15) Acrylonitrile	4.17	53	590937	544.635	ug/l	88
16) Acetone	3.21	43	882546	498.820	ug/l #	90
17) Carbon Disulfide	3.36	76	2321775	115.501	ug/l	100
18) Methyl Acetate	3.62	43	319603	106.569	ug/l	93
19) Methyl tert-butyl Ether	4.21	73	1530962	104.745	ug/l	96
20) Methylene Chloride	3.79	84	786600	112.433	ug/l	94
21) trans-1,2-Dichloroethene	4.19	96	798296	100.067	ug/l	96
22) Diisopropyl ether	5.09	45	2236050	106.833	ug/l	94
23) Vinyl Acetate	5.03	43	6183766	540.130	ug/l	97
24) 1,1-Dichloroethane	4.96	63	1444695	117.520	ug/l	99
25) 2-Butanone	6.04	43	1065404	589.179	ug/l	100
26) 2,2-Dichloropropane	6.00	77	1318556	108.288	ug/l	99
27) cis-1,2-Dichloroethene	6.01	96	938252	114.050	ug/l	98
28) Bromochloromethane	6.42	49	545075	111.441	ug/l	95
29) Tetrahydrofuran	6.44	42	472477	585.200	ug/l	96
30) Chloroform	6.64	83	1614923	106.325	ug/l	98
31) Cyclohexane	6.93	56	928443	104.552	ug/l	98
32) 1,1,1-Trichloroethane	6.85	97	1431008	97.342	ug/l	98
36) 1,1-Dichloropropene	7.13	75	1056585	97.322	ug/l	97
37) Ethyl Acetate	6.16	43	470673	100.000	ug/l #	92
38) Carbon Tetrachloride	7.10	117	1436818m	93.344	ug/l	
39) Methylcyclohexane	8.85	83	1024451	93.869	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	7.43	78	2596248	105.452	ug/l	99
41) Methacrylonitrile	6.42	41	583374	105.501	ug/l	92
42) 1,2-Dichloroethane	7.56	62	1098904	104.641	ug/l	97
43) Isopropyl Acetate	9.22	43	714084	109.033	ug/l #	97
44) Trichloroethene	8.52	130	990902	102.375	ug/l	91
45) 1,2-Dichloropropane	8.92	63	660353	108.349	ug/l	97
46) Dibromomethane	9.04	93	525163	105.003	ug/l	87
47) Bromodichloromethane	9.36	83	1259476	103.144	ug/l	99
48) Methyl methacrylate	9.10	41	402326	101.961	ug/l	91
49) 1,4-Dioxane	9.06	88	93257	2171.354	ug/l	98
51) 4-Methyl-2-Pentanone	10.28	43	2115995	518.526	ug/l	95
52) Toluene	10.49	92	1667322	102.898	ug/l	98
53) t-1,3-Dichloropropene	10.89	75	1102051	102.978	ug/l	99
54) cis-1,3-Dichloropropene	10.02	75	1196854	99.673	ug/l	92
55) 1,1,2-Trichloroethane	11.18	97	614505	103.352	ug/l	95
56) Ethyl methacrylate	11.02	69	616264	99.486	ug/l #	89
57) 1,3-Dichloropropane	11.40	76	861816	93.641	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.84	63	1618092	489.257	ug/l	98
59) 2-Hexanone	11.52	43	1471222	479.714	ug/l	96
60) Dibromochloromethane	11.67	129	1013651	101.001	ug/l	100
61) 1,2-Dibromoethane	11.79	107	738172	108.023	ug/l	97
64) Tetrachloroethene	11.24	164	895391	95.965	ug/l	97
65) Chlorobenzene	12.39	112	2028017	96.337	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.50	131	890340	89.396	ug/l	96
67) Ethyl Benzene	12.52	91	3274610	86.503	ug/l	98
68) m/p-Xylenes	12.66	106	2293128	161.033	ug/l	99
69) o-Xylene	13.04	106	1111061	86.924	ug/l	99
70) Stvrene	13.06	104	1985755	95.028	ug/l	97
71) Bromoform	13.23	173	675606	97.790	ug/l #	98
73) Isopropylbenzene	13.39	105	3434581	110.108	ug/l	99
74) N-amyl acetate	13.26	43	920780	114.257	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.69	83	669267	119.694	ug/l	99
76) 1,2,3-Trichloropropane	13.73	75	675113	116.972	ug/l	98
77) Bromobenzene	13.66	156	879309	108.267	ug/l	91
78) n-propylbenzene	13.77	91	3854503	109.147	ug/l	98
79) 2-Chlorotoluene	13.84	91	2153525	103.267	ug/l	98
80) 1,3,5-Trimethylbenzene	13.93	105	2524337	98.654	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.46	75	203775	113.271	ug/l #	86
82) 4-Chlorotoluene	13.93	91	2328160	94.564	ug/l	88
83) tert-Butylbenzene	14.18	119	2975001	100.258	ug/l	98
84) 1,2,4-Trimethylbenzene	14.23	105	2575520	99.917	ug/l	97
85) sec-Butylbenzene	14.36	105	3015428	94.937	ug/l	98
86) p-Isopropyltoluene	14.49	119	2792580	92.175	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	1700986	108.824	ug/l	100
88) 1,4-Dichlorobenzene	14.53	146	1537126	103.715	ug/l	99
89) n-Butylbenzene	14.79	91	2622200	106.891	ug/l	98
90) Hexachloroethane	15.00	117	866315	109.720	ug/l	87
91) 1,2-Dichlorobenzene	14.80	146	1348711	110.646	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.37	75	111658	118.290	ug/l	91
93) 1,2,4-Trichlorobenzene	15.93	180	981430	110.457	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	16.03	225	737034	107.049	ug/l	99
95) Naphthalene	16.12	128	1517172	114.075	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	669578	114.185	ug/l	96

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

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