

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD052019\
 Data File : VD062459.D
 Acq On : 20 May 2019 16:37
 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
 5/22/2019 4:49:06 AM

Quant Time: May 21 03:36:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D052019S.M
 Quant Title : SW846 8260
 QLast Update : Mon May 20 16:04:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.07	168	730893	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.24	114	1032523	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.38	117	849408	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	415196	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.48	65	775427	114.16	ug/l	0.02
Spiked Amount	50.000		Recovery	=	228.32%	
35) Dibromofluoromethane	6.95	113	930626	108.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	217.26%	
50) Toluene-d8	10.43	98	2038484	98.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	197.38%	
62) 4-Bromofluorobenzene	13.56	95	865793	104.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	208.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	660132	94.435	ug/l	98
3) Chloromethane	1.75	50	426062	84.351	ug/l	96
4) Vinyl Chloride	1.85	62	481710	97.039	ug/l	98
5) Bromomethane	2.16	94	208173	178.971	ug/l	97
6) Chloroethane	2.26	64	237903	114.212	ug/l	99
7) Trichlorofluoromethane	2.53	101	1080398	111.948	ug/l	97
8) Diethyl Ether	2.88	74	151398	81.341	ug/l	78
9) 1,1,2-Trichlorotrifluoroet	3.16	101	707229	96.873	ug/l	97
10) Methyl Iodide	3.32	142	1115209	101.071	ug/l #	87
11) Tert butyl alcohol	4.11	59	167788	483.945	ug/l #	95
12) 1,1-Dichloroethene	3.14	96	533889	95.800	ug/l	91
13) Acrolein	3.05	56	126291	352.175	ug/l	88
14) Allyl chloride	3.63	41	765339	94.451	ug/l #	77
15) Acrylonitrile	4.22	53	379557	416.497	ug/l #	82
16) Acetone	3.24	43	633336	444.629	ug/l #	82
17) Carbon Disulfide	3.39	76	1680272	104.810	ug/l	99
18) Methyl Acetate	3.66	43	228129	81.655	ug/l	94
19) Methyl tert-butyl Ether	4.26	73	1168724	97.840	ug/l	92
20) Methylene Chloride	3.83	84	553459	93.058	ug/l	90
21) trans-1,2-Dichloroethene	4.23	96	602739	97.194	ug/l	88
22) Diisopropyl ether	5.15	45	1675737	97.183	ug/l	93
23) Vinyl Acetate	5.09	43	5022950	552.117	ug/l	97
24) 1,1-Dichloroethane	5.01	63	1129122	108.547	ug/l	99
25) 2-Butanone	6.10	43	703041	452.497	ug/l	93
26) 2,2-Dichloropropane	6.04	77	1143472	110.356	ug/l	94
27) cis-1,2-Dichloroethene	6.06	96	703958	101.414	ug/l	96
28) Bromochloromethane	6.47	49	386228	94.374	ug/l	94
29) Tetrahydrofuran	6.49	42	325049	454.056	ug/l	98
30) Chloroform	6.68	83	1350423	107.720	ug/l	98
31) Cyclohexane	6.98	56	757712	106.323	ug/l	99
32) 1,1,1-Trichloroethane	6.89	97	1375275	116.065	ug/l	98
36) 1,1-Dichloropropene	7.17	75	901946	106.541	ug/l	95
37) Ethyl Acetate	6.21	43	347976	96.924	ug/l #	93
38) Carbon Tetrachloride	7.14	117	1386362m	118.318	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.89	83	803960	99.117	ug/l	95
40) Benzene	7.48	78	1871617	97.906	ug/l	99
41) Methacrylonitrile	6.47	41	429917	97.989	ug/l #	86
42) 1,2-Dichloroethane	7.60	62	953869	117.771	ug/l	94
43) Isopropyl Acetate	9.26	43	497017	97.613	ug/l #	92
44) Trichloroethene	8.56	130	772667	106.070	ug/l	89
45) 1,2-Dichloropropane	8.96	63	470761	99.558	ug/l	99
46) Dibromomethane	9.08	93	407794	106.054	ug/l	94
47) Bromodichloromethane	9.40	83	1075041	114.301	ug/l	96
48) Methyl methacrylate	9.14	41	323851	103.260	ug/l	85
49) 1,4-Dioxane	9.10	88	61154	1807.209	ug/l #	88
51) 4-Methyl-2-Pentanone	10.32	43	1594975	487.315	ug/l	92
52) Toluene	10.52	92	1272475	102.305	ug/l	97
53) t-1,3-Dichloropropene	10.93	75	913520	112.380	ug/l	99
54) cis-1,3-Dichloropropene	10.06	75	946476	106.730	ug/l #	87
55) 1,1,2-Trichloroethane	11.21	97	421443	95.764	ug/l	96
56) Ethyl methacrylate	11.06	69	460668	100.733	ug/l #	88
57) 1,3-Dichloropropane	11.43	76	688034	103.485	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.88	63	1079020	431.951	ug/l	98
59) 2-Hexanone	11.55	43	1136643	471.184	ug/l	91
60) Dibromochloromethane	11.70	129	836731	110.015	ug/l	99
61) 1,2-Dibromoethane	11.82	107	523652	97.871	ug/l	97
64) Tetrachloroethene	11.28	164	696178	104.814	ug/l	97
65) Chlorobenzene	12.41	112	1609056	101.707	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.53	131	705101	102.407	ug/l	95
67) Ethyl Benzene	12.54	91	2634407	99.465	ug/l	96
68) m/p-Xylenes	12.69	106	1997819	207.325	ug/l	96
69) o-Xylene	13.06	106	954614	106.558	ug/l	86
70) Styrene	13.08	104	1587092	104.579	ug/l	93
71) Bromoform	13.25	173	498651	104.095	ug/l #	98
73) Isopropylbenzene	13.41	105	2612231	104.959	ug/l	98
74) N-amyl acetate	13.28	43	678371	103.962	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.71	83	469940	99.740	ug/l	99
76) 1,2,3-Trichloropropane	13.74	75	508190	102.992	ug/l	99
77) Bromobenzene	13.68	156	736414	105.699	ug/l	95
78) n-propylbenzene	13.79	91	3297843	111.081	ug/l	100
79) 2-Chlorotoluene	13.85	91	1891173	111.224	ug/l	90
80) 1,3,5-Trimethylbenzene	13.95	105	2375589	113.351	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.48	75	143544	103.049	ug/l #	71
82) 4-Chlorotoluene	13.96	91	2151126	107.510	ug/l	86
83) tert-Butylbenzene	14.20	119	2674072	113.518	ug/l	98
84) 1,2,4-Trimethylbenzene	14.25	105	2417180	114.933	ug/l	95
85) sec-Butylbenzene	14.38	105	2755626	106.694	ug/l	100
86) p-Isopropyltoluene	14.50	119	2365630	102.518	ug/l	92
87) 1,3-Dichlorobenzene	14.47	146	1292218	101.532	ug/l	99
88) 1,4-Dichlorobenzene	14.55	146	1236558	98.882	ug/l	99
89) n-Butylbenzene	14.80	91	2308241	111.446	ug/l	94
90) Hexachloroethane	15.02	117	735890	117.268	ug/l	76
91) 1,2-Dichlorobenzene	14.82	146	1133516	108.143	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.39	75	96074	124.219	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	930602	121.979	ug/l	97
94) Hexachlorobutadiene	16.04	225	691749	121.908	ug/l	98
95) Naphthalene	16.13	128	1285505	120.691	ug/l	100
96) 1,2,3-Trichlorobenzene	16.28	180	744227	155.151	ug/l	98

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

