

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110819\
 Data File : VD064158.D
 Acq On : 08 Nov 2019 15:30
 Operator : VA/SY
 Sample : VSTDICC100
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 11/13/2019 11:14:47 AM

Quant Time: Nov 08 15:51:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 08 15:32:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	938247	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1323038	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	1139291	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	572126	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	790330	103.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	207.92%	
35) Dibromofluoromethane	7.92	113	781358	96.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	192.78%	
50) Toluene-d8	10.34	98	2998296	92.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	185.94%	
62) 4-Bromofluorobenzene	12.64	95	1012342	94.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	189.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	765736	82.010	ug/l	100
3) Chloromethane	2.21	50	774932	52.395	ug/l	100
4) Vinyl Chloride	2.36	62	874914	54.768	ug/l	98
5) Bromomethane	2.76	94	548359	53.072	ug/l	96
6) Chloroethane	2.93	64	553971	55.600	ug/l	99
7) Trichlorofluoromethane	3.27	101	1423653	63.699	ug/l	98
8) Diethyl Ether	3.71	74	380195	91.159	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	795403	92.774	ug/l	99
10) Methyl Iodide	4.30	142	976525	93.793	ug/l	100
11) Tert butyl alcohol	5.26	59	264257	624.739	ug/l	100
12) 1,1-Dichloroethene	4.06	96	759888	92.995	ug/l	96
13) Acrolein	3.93	56	247722	509.909	ug/l	99
14) Allyl chloride	4.71	41	1340101	129.270	ug/l	99
15) Acrylonitrile	5.44	53	825057	528.264	ug/l	99
16) Acetone	4.17	43	928962	627.693	ug/l	99
17) Carbon Disulfide	4.40	76	2417979	96.215	ug/l	100
18) Methyl Acetate	4.73	43	479843	119.764	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	1844081	108.231	ug/l	96
20) Methylene Chloride	4.97	84	797113	78.949	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	859199	93.847	ug/l	99
22) Diisopropyl ether	6.37	45	2513626	114.190	ug/l	96
23) Vinyl Acetate	6.31	43	7245200	598.309	ug/l	99
24) 1,1-Dichloroethane	6.27	63	1445591	99.805	ug/l	100
25) 2-Butanone	7.23	43	1160027	570.999	ug/l	99
26) 2,2-Dichloropropane	7.21	77	1398694	101.289	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	937869	92.240	ug/l	97
28) Bromochloromethane	7.55	49	570875	109.599	ug/l	99
29) Tetrahydrofuran	7.57	42	693581	580.319	ug/l	99
30) Chloroform	7.71	83	1477031	90.622	ug/l	100
31) Cyclohexane	7.98	56	1397068	98.531	ug/l	98
32) 1,1,1-Trichloroethane	7.91	97	1423419	93.643	ug/l	100
36) 1,1-Dichloropropene	8.11	75	1200804	96.277	ug/l	99
37) Ethyl Acetate	7.30	43	500242	124.209	ug/l	99
38) Carbon Tetrachloride	8.10	117	1308812	96.993	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	1527585	100.799	ug/l	99
40) Benzene	8.36	78	3274199	96.742	ug/l	97
41) Methacrylonitrile	7.53	41	284903	118.114	ug/l	92
42) 1,2-Dichloroethane	8.43	62	979872	107.812	ug/l	99
43) Isopropyl Acetate	8.46	43	1042165	126.674	ug/l	100
44) Trichloroethene	9.11	130	975659	95.559	ug/l	99
45) 1,2-Dichloropropane	9.39	63	791255	99.831	ug/l	96
46) Dibromomethane	9.48	93	424655	91.263	ug/l	99
47) Bromodichloromethane	9.67	83	1141241	96.356	ug/l	99
48) Methyl methacrylate	9.46	41	490167	128.385	ug/l	100
49) 1,4-Dioxane	9.47	88	101243	1927.015	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	2490743	576.216	ug/l	100
52) Toluene	10.41	92	2171090	92.895	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	1161209	104.229	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	1349663	102.647	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	582419	89.077	ug/l	98
56) Ethyl methacrylate	10.66	69	808397	109.709	ug/l	99
57) 1,3-Dichloropropane	10.95	76	1015017	93.053	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	1636346	543.797	ug/l	99
59) 2-Hexanone	10.99	43	1793910	585.765	ug/l	99
60) Dibromochloromethane	11.14	129	812197	91.301	ug/l	100
61) 1,2-Dibromoethane	11.25	107	585771	89.857	ug/l	100
64) Tetrachloroethene	10.88	164	856156	102.707	ug/l	99
65) Chlorobenzene	11.67	112	2259702	96.020	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	870398	98.468	ug/l	99
67) Ethyl Benzene	11.75	91	4090873	97.445	ug/l	99
68) m/p-Xylenes	11.85	106	3201405	191.298	ug/l	97
69) o-Xylene	12.18	106	1467107	95.908	ug/l	100
70) Styrene	12.20	104	2555846	97.102	ug/l	99
71) Bromoform	12.37	173	498780	104.418	ug/l #	99
73) Isopropylbenzene	12.48	105	4020866	99.333	ug/l	100
74) N-amyl acetate	12.29	43	942106	131.382	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	605161	95.373	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	460970m	116.230	ug/l	
77) Bromobenzene	12.77	156	975752	99.482	ug/l	99
78) n-propylbenzene	12.83	91	4572963	96.779	ug/l	98
79) 2-Chlorotoluene	12.91	91	2566237	100.270	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	3317731	98.567	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	228166	116.090	ug/l	97
82) 4-Chlorotoluene	13.01	91	2705568	99.688	ug/l	99
83) tert-Butylbenzene	13.23	119	2855147	94.686	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	3283931	97.359	ug/l	100
85) sec-Butylbenzene	13.40	105	3935870	95.680	ug/l	100
86) p-Isopropyltoluene	13.52	119	3766009	97.518	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	1844203	95.735	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	1781854	93.320	ug/l	100
89) n-Butylbenzene	13.85	91	3391166	95.408	ug/l	100
90) Hexachloroethane	14.11	117	689150	94.859	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	1566409	94.417	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	106977	111.629	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	1200861	99.611	ug/l	99
94) Hexachlorobutadiene	15.27	225	767962	107.145	ug/l	98
95) Naphthalene	15.41	128	1963262	100.212	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	1021199	97.580	ug/l	99

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

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