

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW012220\
 Data File : VW014710.D
 Acq On : 22 Jan 2020 13:31
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 1/23/2020 2:33:01 PM

Quant Time: Jan 22 15:25:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 03 16:07:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.94	168	729058	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1065976	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	909324	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	445803	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	315517	49.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.00%	
35) Dibromofluoromethane	7.88	113	315441	51.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.56%	
50) Toluene-d8	10.32	98	1315901	51.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.52%	
62) 4-Bromofluorobenzene	12.62	95	429391	49.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	169552	41.189	ug/l	100
3) Chloromethane	2.21	50	232531	46.150	ug/l	99
4) Vinyl Chloride	2.35	62	355036	47.907	ug/l	98
5) Bromomethane	2.77	94	216101	47.204	ug/l	99
6) Chloroethane	2.92	64	204520	48.413	ug/l	98
7) Trichlorofluoromethane	3.25	101	217328	58.612	ug/l	97
8) Diethyl Ether	3.67	74	158496	42.961	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.06	101	331967	47.916	ug/l	99
10) Methyl Iodide	4.26	142	465437	44.525	ug/l	98
11) Tert butyl alcohol	5.15	59	96955	191.947	ug/l	98
12) 1,1-Dichloroethene	4.03	96	340354	46.911	ug/l	97
13) Acrolein	3.89	56	146558	263.428	ug/l	99
14) Allyl chloride	4.66	41	557668	50.299	ug/l	99
15) Acrylonitrile	5.35	53	354254	210.071	ug/l	99
16) Acetone	4.11	43	473021	262.807	ug/l	99
17) Carbon Disulfide	4.38	76	1003860	45.907	ug/l	98
18) Methyl Acetate	4.66	43	175802	40.443	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	416499	46.246	ug/l	98
20) Methylene Chloride	4.90	84	368573	50.691	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	368030	47.773	ug/l	95
22) Diisopropyl ether	6.30	45	1011236	48.729	ug/l	98
23) Vinyl Acetate	6.24	43	2861159	228.319	ug/l	98
24) 1,1-Dichloroethane	6.21	63	637000	48.662	ug/l	99
25) 2-Butanone	7.16	43	507631	219.770	ug/l	97
26) 2,2-Dichloropropane	7.16	77	360501	49.742	ug/l	97
27) cis-1,2-Dichloroethene	7.16	96	381671	47.150	ug/l	96
28) Bromochloromethane	7.51	49	272265	53.052	ug/l	97
29) Tetrahydrofuran	7.52	42	286438	200.172	ug/l	99
30) Chloroform	7.66	83	589912	48.191	ug/l	100
31) Cyclohexane	7.95	56	639210	46.987	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	490089	49.780	ug/l	98
36) 1,1-Dichloropropene	8.07	75	511348	49.759	ug/l	98
37) Ethyl Acetate	7.24	43	195047	41.849	ug/l	98
38) Carbon Tetrachloride	8.06	117	450236	50.501	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	645859	48.974	ug/l	97
40) Benzene	8.32	78	1425404	49.024	ug/l	100
41) Methacrylonitrile	7.48	41	116097	44.686	ug/l	96
42) 1,2-Dichloroethane	8.39	62	354750	47.015	ug/l	99
43) Isopropyl Acetate	8.42	43	363372	42.935	ug/l	99
44) Trichloroethene	9.09	130	380887	48.411	ug/l	95
45) 1,2-Dichloropropane	9.37	63	349140	48.934	ug/l	97
46) Dibromomethane	9.45	93	157533	44.725	ug/l	98
47) Bromodichloromethane	9.64	83	422694	48.607	ug/l	98
48) Methyl methacrylate	9.43	41	182322	44.123	ug/l	99
49) 1,4-Dioxane	9.44	88	60783	922.644	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	926041	210.702	ug/l	99
52) Toluene	10.38	92	887388	48.512	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	425481	47.256	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	530947	48.249	ug/l	96
55) 1,1,2-Trichloroethane	10.78	97	228176	44.356	ug/l	99
56) Ethyl methacrylate	10.64	69	295666	44.225	ug/l	98
57) 1,3-Dichloropropane	10.93	76	408883	45.225	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	545000	268.042	ug/l	99
59) 2-Hexanone	10.96	43	690781	228.088	ug/l	97
60) Dibromochloromethane	11.13	129	264418	45.556	ug/l	98
61) 1,2-Dibromoethane	11.23	107	213182	43.658	ug/l	99
64) Tetrachloroethene	10.86	164	309276	46.980	ug/l	97
65) Chlorobenzene	11.65	112	892213	47.893	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	303125	48.327	ug/l	98
67) Ethyl Benzene	11.73	91	1694360	50.468	ug/l	97
68) m/p-Xylenes	11.83	106	1263459	98.331	ug/l	99
69) o-Xylene	12.16	106	581024	48.953	ug/l	99
70) Styrene	12.18	104	989862	49.308	ug/l	99
71) Bromoform	12.35	173	149220	43.615	ug/l #	99
73) Isopropylbenzene	12.46	105	1637367	50.056	ug/l	99
74) N-amyl acetate	12.27	43	324903	44.298	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	251163	42.540	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	191426m	45.415	ug/l	
77) Bromobenzene	12.74	156	358167	47.144	ug/l	99
78) n-propylbenzene	12.80	91	1961274	50.989	ug/l	99
79) 2-Chlorotoluene	12.89	91	1082897	49.472	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	1363148	49.632	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	81626	43.147	ug/l	96
82) 4-Chlorotoluene	12.99	91	1125255	49.480	ug/l	99
83) tert-Butylbenzene	13.20	119	1209703	50.307	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	1351222	49.438	ug/l	100
85) sec-Butylbenzene	13.38	105	1689318	50.754	ug/l	99
86) p-Isopropyltoluene	13.49	119	1534522	50.580	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	708600	47.964	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	687772	47.155	ug/l	98
89) n-Butylbenzene	13.82	91	1480745	52.558	ug/l	99
90) Hexachloroethane	14.09	117	265959	50.181	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	615464	47.399	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	40450	43.263	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	430982	49.150	ug/l	99
94) Hexachlorobutadiene	15.23	225	297802	50.679	ug/l	97
95) Naphthalene	15.36	128	701362	46.900	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	370471	48.470	ug/l	99

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

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