

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090719\
 Data File : VW012759.D
 Acq On : 08 Sep 2019 10:07
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 57 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/10/2019 1:22:40 PM

Quant Time: Sep 09 04:46:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M
 Quant Title : SW846 8260
 QLast Update : Sun Sep 08 05:04:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	235479	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	365786	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	305250	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	151459	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	150983	57.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.76%	
35) Dibromofluoromethane	7.88	113	116333	53.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.98%	
50) Toluene-d8	10.32	98	457497	53.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.40%	
62) 4-Bromofluorobenzene	12.62	95	144099	46.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	58450	45.786	ug/l	99
3) Chloromethane	2.21	50	65973	42.524	ug/l	98
4) Vinyl Chloride	2.35	62	81162	42.666	ug/l	100
5) Bromomethane	2.77	94	47244	45.736	ug/l	98
6) Chloroethane	2.92	64	50023	44.067	ug/l	100
7) Trichlorofluoromethane	3.25	101	53316	40.615	ug/l	97
8) Diethyl Ether	3.68	74	48273	43.754	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	84660	41.097	ug/l	97
10) Methyl Iodide	4.26	142	113038	43.589	ug/l	98
11) Tert butyl alcohol	5.19	59	48890	242.865	ug/l	100
12) 1,1-Dichloroethene	4.04	96	80171	41.227	ug/l	92
13) Acrolein	3.89	56	19227	90.005	ug/l	97
14) Allyl chloride	4.66	41	161595	40.170	ug/l	97
15) Acrylonitrile	5.37	53	138107	214.317	ug/l	99
16) Acetone	4.14	43	114131	159.115	ug/l	99
17) Carbon Disulfide	4.38	76	162010	39.249	ug/l	99
18) Methyl Acetate	4.67	43	79052	46.975	ug/l	97
19) Methyl tert-butyl Ether	5.42	73	181018	46.937	ug/l	95
20) Methylene Chloride	4.91	84	94829	42.258	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	88344	44.523	ug/l	95
22) Diisopropyl ether	6.31	45	413186	51.787	ug/l	97
23) Vinyl Acetate	6.24	43	1129508	223.382	ug/l	99
24) 1,1-Dichloroethane	6.21	63	207495	48.300	ug/l	100
25) 2-Butanone	7.17	43	228388	218.905	ug/l	98
26) 2,2-Dichloropropane	7.16	77	108371	39.940	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	118544	51.525	ug/l	98
28) Bromochloromethane	7.51	49	109039	55.277	ug/l	96
29) Tetrahydrofuran	7.53	42	140863	243.188	ug/l	100
30) Chloroform	7.67	83	218627	51.350	ug/l	100
31) Cyclohexane	7.95	56	167380	43.278	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	173949	50.403	ug/l	98
36) 1,1-Dichloropropene	8.08	75	144981	44.608	ug/l	99
37) Ethyl Acetate	7.24	43	90719	43.786	ug/l	98
38) Carbon Tetrachloride	8.07	117	153037	47.767	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	160215	43.891	ug/l	97
40) Benzene	8.32	78	444177	49.257	ug/l	99
41) Methacrylonitrile	7.48	41	62309	44.683	ug/l	97
42) 1,2-Dichloroethane	8.40	62	160177	50.472	ug/l	100
43) Isopropyl Acetate	8.42	43	197021	50.193	ug/l	99
44) Trichloroethene	9.09	130	105547	45.408	ug/l	91
45) 1,2-Dichloropropane	9.37	63	121999	48.780	ug/l	95
46) Dibromomethane	9.46	93	57809	48.812	ug/l	100
47) Bromodichloromethane	9.65	83	165884	50.910	ug/l	97
48) Methyl methacrylate	9.43	41	91696	48.883	ug/l	97
49) 1,4-Dioxane	9.46	88	25026	1069.765	ug/l #	74
51) 4-Methyl-2-Pentanone	10.21	43	544092	264.161	ug/l	100
52) Toluene	10.38	92	276651	49.155	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	160163	47.803	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	184502	48.542	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	94056	53.047	ug/l	98
56) Ethyl methacrylate	10.65	69	136363	52.539	ug/l	99
57) 1,3-Dichloropropane	10.93	76	164396	50.118	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	337384	244.859	ug/l	99
59) 2-Hexanone	10.97	43	377852	251.101	ug/l	99
60) Dibromochloromethane	11.13	129	110869	53.167	ug/l	98
61) 1,2-Dibromoethane	11.23	107	84761	52.143	ug/l	99
64) Tetrachloroethene	10.86	164	109889	59.329	ug/l	99
65) Chlorobenzene	11.66	112	298417	51.725	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	120233	55.961	ug/l	100
67) Ethyl Benzene	11.73	91	553210	51.107	ug/l	99
68) m/p-Xylenes	11.83	106	400389	102.475	ug/l	99
69) o-Xylene	12.16	106	174144	47.243	ug/l	98
70) Styrene	12.18	104	322205	49.466	ug/l	100
71) Bromoform	12.35	173	65323	54.724	ug/l #	100
73) Isopropylbenzene	12.46	105	500609	46.084	ug/l	100
74) N-amyl acetate	12.27	43	162940	47.255	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	109413	50.152	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	91663m	59.186	ug/l	
77) Bromobenzene	12.74	156	123415	50.146	ug/l	99
78) n-propylbenzene	12.80	91	604736	46.546	ug/l	100
79) 2-Chlorotoluene	12.89	91	361142	48.420	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	437883	47.837	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	31691	43.280	ug/l	96
82) 4-Chlorotoluene	12.99	91	380289	48.203	ug/l	100
83) tert-Butylbenzene	13.21	119	400587	49.494	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	458653	49.726	ug/l	100
85) sec-Butylbenzene	13.38	105	535665	47.694	ug/l	99
86) p-Isopropyltoluene	13.50	119	494200	48.174	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	247578	51.179	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	246859	51.284	ug/l	99
89) n-Butylbenzene	13.82	91	456241	45.810	ug/l	100
90) Hexachloroethane	14.09	117	92601	51.706	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	229659	52.746	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	23416	58.651	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	155074	51.156	ug/l	98
94) Hexachlorobutadiene	15.24	225	99574	47.456	ug/l	97
95) Naphthalene	15.36	128	325603	51.130	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	144430	53.977	ug/l	99

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

