

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW041819\
 Data File : VW010058.D
 Acq On : 18 Apr 2019 21:08
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/19/2019 12:53:09 PM

Quant Time: Apr 19 02:53:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W041719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 11:26:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	331359	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	544335	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	525300	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	273631	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	231178	56.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.06%	
35) Dibromofluoromethane	7.88	113	180856	52.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.52%	
50) Toluene-d8	10.32	98	676083	52.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.28%	
62) 4-Bromofluorobenzene	12.62	95	253540	53.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	109064	43.167	ug/l	98
3) Chloromethane	2.22	50	125057	49.496	ug/l	98
4) Vinyl Chloride	2.37	62	142176	48.410	ug/l	97
5) Bromomethane	2.77	94	103941	52.662	ug/l	98
6) Chloroethane	2.92	64	101589	52.940	ug/l	97
7) Trichlorofluoromethane	3.25	101	72793	35.848	ug/l	97
8) Diethyl Ether	3.67	74	89855	53.197	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.05	101	165028	48.298	ug/l	99
10) Methyl Iodide	4.26	142	251157	53.190	ug/l	99
11) Tert butyl alcohol	5.18	59	72478	311.169	ug/l	99
12) 1,1-Dichloroethene	4.03	96	171274	52.285	ug/l	94
13) Acrolein	3.89	56	60966	248.799	ug/l	96
14) Allyl chloride	4.65	41	239066	41.049	ug/l	98
15) Acrylonitrile	5.36	53	253682	291.836	ug/l	99
16) Acetone	4.12	43	216472	228.161	ug/l	94
17) Carbon Disulfide	4.38	76	487607	49.426	ug/l	99
18) Methyl Acetate	4.67	43	134091	61.066	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	251852	59.192	ug/l	100
20) Methylene Chloride	4.91	84	210541	57.736	ug/l	95
21) trans-1,2-Dichloroethene	5.41	96	195554	55.128	ug/l	96
22) Diisopropyl ether	6.31	45	667387	56.495	ug/l	98
23) Vinyl Acetate	6.25	43	2351341	316.185	ug/l	99
24) 1,1-Dichloroethane	6.21	63	376597	53.328	ug/l	98
25) 2-Butanone	7.17	43	417559	335.035	ug/l	97
26) 2,2-Dichloropropane	7.16	77	162404	41.567	ug/l	97
27) cis-1,2-Dichloroethene	7.16	96	215492	55.237	ug/l	99
28) Bromochloromethane	7.51	49	172290	59.699	ug/l	96
29) Tetrahydrofuran	7.52	42	279155	353.493	ug/l	99
30) Chloroform	7.67	83	386207	54.578	ug/l	100
31) Cyclohexane	7.95	56	324201	49.025	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	269966	48.598	ug/l	99
36) 1,1-Dichloropropene	8.08	75	289788	52.118	ug/l	99
37) Ethyl Acetate	7.25	43	189281	66.992	ug/l	99
38) Carbon Tetrachloride	8.06	117	266936	49.190	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	323451	47.858	ug/l	97
40) Benzene	8.32	78	829241	54.544	ug/l	99
41) Methacrylonitrile	7.48	41	109848	68.216	ug/l	97
42) 1,2-Dichloroethane	8.40	62	299814	57.383	ug/l	100
43) Isopropyl Acetate	8.42	43	345207	65.200	ug/l	97
44) Trichloroethene	9.09	130	201768	52.252	ug/l	100
45) 1,2-Dichloropropane	9.37	63	222317	55.632	ug/l	98
46) Dibromomethane	9.45	93	124317	60.021	ug/l	99
47) Bromodichloromethane	9.64	83	302400	56.559	ug/l	99
48) Methyl methacrylate	9.43	41	167497	64.990	ug/l	98
49) 1,4-Dioxane	9.45	88	43221	1365.687	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	964642	347.863	ug/l	100
52) Toluene	10.38	92	519683	54.874	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	304298	57.404	ug/l	95
54) cis-1,3-Dichloropropene	10.07	75	340661	56.280	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	170937	59.130	ug/l	98
56) Ethyl methacrylate	10.65	69	249493	61.509	ug/l	99
57) 1,3-Dichloropropane	10.93	76	313952	60.591	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	621194	375.333	ug/l	100
59) 2-Hexanone	10.97	43	676933	350.680	ug/l	100
60) Dibromochloromethane	11.13	129	198005	59.261	ug/l	99
61) 1,2-Dibromoethane	11.23	107	167125	60.772	ug/l	99
64) Tetrachloroethene	10.86	164	191107	56.042	ug/l	99
65) Chlorobenzene	11.66	112	549682	51.126	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	206440	53.693	ug/l	99
67) Ethyl Benzene	11.73	91	1001513	52.210	ug/l	99
68) m/p-Xylenes	11.84	106	750219	104.626	ug/l	99
69) o-Xylene	12.16	106	351815	53.885	ug/l	98
70) Styrene	12.18	104	640007	56.853	ug/l	99
71) Bromoform	12.35	173	118302	58.189	ug/l #	100
73) Isopropylbenzene	12.46	105	949256	49.845	ug/l	100
74) N-amyl acetate	12.27	43	331238	62.807	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	221668	58.915	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	160175m	58.487	ug/l	
77) Bromobenzene	12.75	156	233471	53.305	ug/l	98
78) n-propylbenzene	12.80	91	1177327	49.881	ug/l	99
79) 2-Chlorotoluene	12.89	91	686184	50.549	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	839557	51.994	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	66495	57.252	ug/l	98
82) 4-Chlorotoluene	12.99	91	730433	51.127	ug/l	99
83) tert-Butylbenzene	13.21	119	671778	50.239	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	850003	51.921	ug/l	100
85) sec-Butylbenzene	13.38	105	970258	48.555	ug/l	99
86) p-Isopropyltoluene	13.50	119	893653	50.739	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	449643	50.786	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	444340	50.280	ug/l	99
89) n-Butylbenzene	13.83	91	871085	49.920	ug/l	99
90) Hexachloroethane	14.10	117	168105	49.833	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	419218	52.808	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	41311	61.353	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	272779	52.084	ug/l	99
94) Hexachlorobutadiene	15.24	225	154061	48.441	ug/l	99
95) Naphthalene	15.37	128	594714	56.816	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	258236	56.833	ug/l	99

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

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