

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052219\
 Data File : VW010500.D
 Acq On : 22 May 2019 10:20
 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
 5/23/2019 11:42:03 AM

Quant Time: May 23 07:05:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 06:38:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	154653	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	262333	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	229437	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	110365	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	73334	45.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.88%	
35) Dibromofluoromethane	7.88	113	78929	49.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.18%	
50) Toluene-d8	10.32	98	303595	49.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.86%	
62) 4-Bromofluorobenzene	12.62	95	113612	46.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	71438	51.860	ug/l	99
3) Chloromethane	2.21	50	80976	49.835	ug/l	100
4) Vinyl Chloride	2.36	62	86943	46.193	ug/l	98
5) Bromomethane	2.77	94	75036	57.951	ug/l	95
6) Chloroethane	2.92	64	57563	47.642	ug/l	99
7) Trichlorofluoromethane	3.26	101	147449	53.063	ug/l	95
8) Diethyl Ether	3.68	74	41874	47.538	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	89424	52.256	ug/l	99
10) Methyl Iodide	4.28	142	95348	48.747	ug/l	99
11) Tert butyl alcohol	5.19	59	25740	179.268	ug/l	100
12) 1,1-Dichloroethene	4.04	96	86048	52.676	ug/l	97
13) Acrolein	3.90	56	20907	249.878	ug/l	99
14) Allyl chloride	4.67	41	120951	51.152	ug/l	99
15) Acrylonitrile	5.37	53	80423	218.009	ug/l	97
16) Acetone	4.14	43	72564	222.701	ug/l	100
17) Carbon Disulfide	4.38	76	252807	51.885	ug/l	99
18) Methyl Acetate	4.67	43	31653	39.720	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	201895	48.481	ug/l	95
20) Methylene Chloride	4.92	84	86029	44.433	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	97546	52.060	ug/l	99
22) Diisopropyl ether	6.31	45	238449	49.181	ug/l	98
23) Vinyl Acetate	6.26	43	700262	241.789	ug/l	99
24) 1,1-Dichloroethane	6.21	63	149645	51.721	ug/l	99
25) 2-Butanone	7.17	43	104888	224.936	ug/l	98
26) 2,2-Dichloropropane	7.17	77	147326	53.456	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	106667	52.363	ug/l	98
28) Bromochloromethane	7.51	49	53207	51.363	ug/l	94
29) Tetrahydrofuran	7.53	42	64314	203.825	ug/l	98
30) Chloroform	7.68	83	162730	52.143	ug/l	97
31) Cyclohexane	7.95	56	150477	49.650	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	156648	52.516	ug/l	99
36) 1,1-Dichloropropene	8.09	75	130480	53.393	ug/l	99
37) Ethyl Acetate	7.25	43	46116	44.376	ug/l	98
38) Carbon Tetrachloride	8.07	117	143361	54.382	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	176306	53.849	ug/l	98
40) Benzene	8.32	78	358351	52.758	ug/l	99
41) Methacrylonitrile	7.48	41	28994	46.956	ug/l	94
42) 1,2-Dichloroethane	8.40	62	97040	49.987	ug/l	99
43) Isopropyl Acetate	8.42	43	92585	44.596	ug/l	98
44) Trichloroethene	9.09	130	108907	54.008	ug/l	100
45) 1,2-Dichloropropane	9.37	63	82881	51.378	ug/l	97
46) Dibromomethane	9.46	93	47374	50.216	ug/l	98
47) Bromodichloromethane	9.65	83	123658	52.160	ug/l	99
48) Methyl methacrylate	9.43	41	45037	47.418	ug/l	93
49) 1,4-Dioxane	9.46	88	12446	807.596	ug/l #	81
51) 4-Methyl-2-Pentanone	10.21	43	227392	216.150	ug/l	99
52) Toluene	10.39	92	243258	53.328	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	120396	50.143	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	142449	51.948	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	66950	49.350	ug/l	98
56) Ethyl methacrylate	10.65	69	86525	46.245	ug/l	99
57) 1,3-Dichloropropane	10.93	76	113442	49.921	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	184335	222.431	ug/l	98
59) 2-Hexanone	10.97	43	172088	229.314	ug/l	100
60) Dibromochloromethane	11.13	129	88202	51.371	ug/l	99
61) 1,2-Dibromoethane	11.24	107	67828	49.356	ug/l	100
64) Tetrachloroethene	10.86	164	85946	53.737	ug/l	97
65) Chlorobenzene	11.66	112	260569	53.288	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	94260	53.812	ug/l	99
67) Ethyl Benzene	11.73	91	458850	53.150	ug/l	100
68) m/p-Xylenes	11.84	106	359139	106.059	ug/l	100
69) o-Xylene	12.16	106	169725	52.903	ug/l	99
70) Styrene	12.18	104	287470	52.810	ug/l	99
71) Bromoform	12.35	173	48106	49.871	ug/l #	99
73) Isopropylbenzene	12.46	105	462554	52.816	ug/l	100
74) N-amyl acetate	12.27	43	86153	42.928	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	73988	46.448	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	51267m	45.763	ug/l	
77) Bromobenzene	12.75	156	102465	52.282	ug/l	98
78) n-propylbenzene	12.80	91	535464	52.465	ug/l	100
79) 2-Chlorotoluene	12.90	91	304936	51.520	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	391509	52.783	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	24815	46.229	ug/l	99
82) 4-Chlorotoluene	12.99	91	318607	51.861	ug/l	99
83) tert-Butylbenzene	13.21	119	338017	52.170	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	383320	51.888	ug/l	99
85) sec-Butylbenzene	13.38	105	477014	52.609	ug/l	100
86) p-Isopropyltoluene	13.50	119	429034	52.277	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	199183	51.802	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	202385	52.461	ug/l	99
89) n-Butylbenzene	13.83	91	405883	51.995	ug/l	100
90) Hexachloroethane	14.10	117	84869	53.427	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	180910	51.637	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	12600	42.539	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	120345	50.486	ug/l	99
94) Hexachlorobutadiene	15.24	225	66840	52.487	ug/l	99
95) Naphthalene	15.37	128	230347	46.034	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	102786	50.112	ug/l	99

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

