

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW041719\
 Data File : VW010028.D
 Acq On : 17 Apr 2019 21:13
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/18/2019 11:39:36 AM

Quant Time: Apr 18 04:01:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W041719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 02:23:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	386729	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	627574	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	586662	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	301813	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	260085	54.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.00%	
35) Dibromofluoromethane	7.88	113	206379	51.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.46%	
50) Toluene-d8	10.32	98	792003	52.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.94%	
62) 4-Bromofluorobenzene	12.62	95	291294	53.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	141400	47.953	ug/l	98
3) Chloromethane	2.21	50	154549	52.411	ug/l	96
4) Vinyl Chloride	2.37	62	173973	50.755	ug/l	97
5) Bromomethane	2.78	94	114596	49.748	ug/l	99
6) Chloroethane	2.92	64	113063	50.483	ug/l	92
7) Trichlorofluoromethane	3.25	101	102002	43.040	ug/l	95
8) Diethyl Ether	3.67	74	107224	54.391	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.05	101	185322	46.472	ug/l	99
10) Methyl Iodide	4.27	142	280243	50.852	ug/l	100
11) Tert butyl alcohol	5.18	59	81548	299.983	ug/l	99
12) 1,1-Dichloroethene	4.03	96	191341	50.048	ug/l	96
13) Acrolein	3.89	56	59391	207.670	ug/l	97
14) Allyl chloride	4.65	41	315187	46.371	ug/l	99
15) Acrylonitrile	5.36	53	282538	278.496	ug/l	99
16) Acetone	4.12	43	246017	222.176	ug/l	100
17) Carbon Disulfide	4.38	76	556684	48.378	ug/l	99
18) Methyl Acetate	4.67	43	138881	54.192	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	291117	58.625	ug/l	99
20) Methylene Chloride	4.91	84	223342	52.048	ug/l	97
21) trans-1,2-Dichloroethene	5.41	96	217038	52.425	ug/l	98
22) Diisopropyl ether	6.31	45	744696	54.013	ug/l	98
23) Vinyl Acetate	6.25	43	2591424	298.576	ug/l	99
24) 1,1-Dichloroethane	6.21	63	417198	50.619	ug/l	99
25) 2-Butanone	7.17	43	435697	299.536	ug/l	99
26) 2,2-Dichloropropane	7.16	77	199576	43.767	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	244298	53.655	ug/l	97
28) Bromochloromethane	7.51	49	175922	52.229	ug/l	96
29) Tetrahydrofuran	7.52	42	291850	316.655	ug/l	99
30) Chloroform	7.67	83	422197	51.122	ug/l	96
31) Cyclohexane	7.95	56	372959	48.323	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	314623	48.528	ug/l	99
36) 1,1-Dichloropropene	8.07	75	325317	50.747	ug/l	100
37) Ethyl Acetate	7.25	43	198812	61.032	ug/l	99
38) Carbon Tetrachloride	8.06	117	303726	48.546	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	378428	48.548	ug/l	98
40) Benzene	8.32	78	907051	51.748	ug/l	99
41) Methacrylonitrile	7.48	41	119737	64.494	ug/l	93
42) 1,2-Dichloroethane	8.40	62	322374	53.517	ug/l	99
43) Isopropyl Acetate	8.42	43	367630	60.226	ug/l	97
44) Trichloroethene	9.09	130	225520	50.656	ug/l	97
45) 1,2-Dichloropropane	9.37	63	236773	51.391	ug/l	97
46) Dibromomethane	9.46	93	130963	54.844	ug/l	100
47) Bromodichloromethane	9.64	83	327123	53.068	ug/l	99
48) Methyl methacrylate	9.43	41	176167	59.288	ug/l	97
49) 1,4-Dioxane	9.45	88	43031	1179.340	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	999249	312.548	ug/l	100
52) Toluene	10.38	92	570862	52.283	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	333596	54.584	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	377761	54.131	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	181562	54.475	ug/l	100
56) Ethyl methacrylate	10.65	69	266473	57.176	ug/l	99
57) 1,3-Dichloropropane	10.93	76	333322	55.797	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	596123	299.324	ug/l	100
59) 2-Hexanone	10.97	43	706090	317.268	ug/l	99
60) Dibromochloromethane	11.13	129	215005	55.814	ug/l	100
61) 1,2-Dibromoethane	11.23	107	177464	55.973	ug/l	98
64) Tetrachloroethene	10.86	164	201435	52.892	ug/l	98
65) Chlorobenzene	11.66	112	603392	50.252	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	220865	51.436	ug/l	98
67) Ethyl Benzene	11.73	91	1111352	51.876	ug/l	98
68) m/p-Xylenes	11.84	106	829245	103.551	ug/l	100
69) o-Xylene	12.16	106	385380	52.852	ug/l	99
70) Styrene	12.18	104	687312	54.669	ug/l	100
71) Bromoform	12.35	173	125555	55.297	ug/l #	98
73) Isopropylbenzene	12.46	105	1065171	50.709	ug/l	100
74) N-amyl acetate	12.27	43	345396	59.376	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	226697	54.626	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	167249m	55.368	ug/l	
77) Bromobenzene	12.75	156	249039	51.550	ug/l	99
78) n-propylbenzene	12.80	91	1317860	50.621	ug/l	100
79) 2-Chlorotoluene	12.90	91	754552	50.395	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	923021	51.826	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	74267	57.973	ug/l	99
82) 4-Chlorotoluene	12.99	91	787442	49.970	ug/l	100
83) tert-Butylbenzene	13.21	119	752307	51.008	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	926425	51.305	ug/l	100
85) sec-Butylbenzene	13.38	105	1093257	49.602	ug/l	100
86) p-Isopropyltoluene	13.50	119	988870	50.903	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	487788	49.949	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	479658	49.208	ug/l	100
89) n-Butylbenzene	13.83	91	981187	50.980	ug/l	99
90) Hexachloroethane	14.10	117	182136	48.950	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	443394	50.638	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	42952	57.834	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	300291	51.984	ug/l	99
94) Hexachlorobutadiene	15.24	225	169837	48.415	ug/l	99
95) Naphthalene	15.37	128	631953	54.833	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	270529	53.979	ug/l	100

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

