

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW041719\
 Data File : VW010016.D
 Acq On : 17 Apr 2019 13:11
 Operator : SY/VA
 Sample : VSTDIC150
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 4/18/2019 11:40:22 AM

Quant Time: Apr 18 02:17:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W041719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 01:42:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	434485	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	698025	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	649375	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	317080	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	846319	157.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	315.68%	
35) Dibromofluoromethane	7.88	113	687225	154.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	309.72%	
50) Toluene-d8	10.32	98	2711463	163.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	326.10%	
62) 4-Bromofluorobenzene	12.62	95	998146	165.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	330.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	479792	147.295	ug/l	97
3) Chloromethane	2.22	50	541410	163.422	ug/l	98
4) Vinyl Chloride	2.37	62	602673	156.500	ug/l	98
5) Bromomethane	2.77	94	404078	156.136	ug/l	98
6) Chloroethane	2.92	64	390756	155.297	ug/l	95
7) Trichlorofluoromethane	3.25	101	435850	163.696	ug/l	97
8) Diethyl Ether	3.67	74	321094	144.977	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.05	101	624040	142.996	ug/l	100
10) Methyl Iodide	4.26	142	945153	152.654	ug/l	99
11) Tert butyl alcohol	5.18	59	224625	737.634	ug/l	98
12) 1,1-Dichloroethene	4.03	96	651855	151.762	ug/l	98
13) Acrolein	3.89	56	230747	718.159	ug/l	97
14) Allyl chloride	4.66	41	1163063	152.305	ug/l	99
15) Acrylonitrile	5.36	53	849286	745.122	ug/l	99
16) Acetone	4.12	43	837479	673.190	ug/l	98
17) Carbon Disulfide	4.38	76	1957110	166.106	ug/l	99
18) Methyl Acetate	4.67	43	400019	138.933	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	847847	151.972	ug/l	100
20) Methylene Chloride	4.91	84	679794	118.775	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	712625	153.212	ug/l	98
22) Diisopropyl ether	6.31	45	2275802	146.923	ug/l	98
23) Vinyl Acetate	6.25	43	7790245	798.914	ug/l	99
24) 1,1-Dichloroethane	6.21	63	1334662	144.135	ug/l	99
25) 2-Butanone	7.17	43	1253983	767.340	ug/l	98
26) 2,2-Dichloropropane	7.17	77	697130	136.077	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	785367	153.530	ug/l	98
28) Bromochloromethane	7.51	49	565810	149.520	ug/l	98
29) Tetrahydrofuran	7.52	42	808318	780.623	ug/l	99
30) Chloroform	7.67	83	1312548	141.462	ug/l	97
31) Cyclohexane	7.95	56	1241366	143.162	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	1023054	140.453	ug/l	100
36) 1,1-Dichloropropene	8.08	75	1055029	147.967	ug/l	99
37) Ethyl Acetate	7.25	43	546023	150.703	ug/l	100
38) Carbon Tetrachloride	8.06	117	1013744	145.678	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	1302915	162.387	ug/l	99
40) Benzene	8.32	78	2874405	147.437	ug/l	99
41) Methacrylonitrile	7.48	41	341295	165.279	ug/l	97
42) 1,2-Dichloroethane	8.40	62	960155	143.307	ug/l	100
43) Isopropyl Acetate	8.42	43	1061903	156.405	ug/l	98
44) Trichloroethene	9.09	130	738524	149.145	ug/l	97
45) 1,2-Dichloropropane	9.37	63	746172	145.609	ug/l	98
46) Dibromomethane	9.46	93	389423	146.620	ug/l	100
47) Bromodichloromethane	9.64	83	1028040	149.942	ug/l	100
48) Methyl methacrylate	9.43	41	520051	157.355	ug/l	97
49) 1,4-Dioxane	9.45	88	127806	3149.219	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	2743598	771.539	ug/l	99
52) Toluene	10.38	92	1803697	148.521	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	1073815	157.969	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	1217255	156.822	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	537347	144.951	ug/l	98
56) Ethyl methacrylate	10.65	69	794128	172.316	ug/l	99
57) 1,3-Dichloropropane	10.93	76	981537	147.723	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	2009328	907.091	ug/l	100
59) 2-Hexanone	10.97	43	1945800	786.066	ug/l	99
60) Dibromochloromethane	11.13	129	663272	154.802	ug/l	100
61) 1,2-Dibromoethane	11.23	107	526942	149.425	ug/l	99
64) Tetrachloroethene	10.86	164	622424	147.650	ug/l	98
65) Chlorobenzene	11.66	112	1889639	142.174	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	693247	145.856	ug/l	99
67) Ethyl Benzene	11.73	91	3575307	150.772	ug/l	99
68) m/p-Xylenes	11.84	106	2631217	296.838	ug/l	100
69) o-Xylene	12.16	106	1247089	154.512	ug/l	98
70) Styrene	12.18	104	2191187	157.456	ug/l	100
71) Bromoform	12.35	173	382842	152.327	ug/l	100
73) Isopropylbenzene	12.46	105	3459132	156.748	ug/l	100
74) N-amyl acetate	12.27	43	1023295	167.443	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	651052	149.326	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	468252m	123.187	ug/l	
77) Bromobenzene	12.75	156	764788	150.687	ug/l	100
78) n-propylbenzene	12.80	91	4182702	152.928	ug/l	100
79) 2-Chlorotoluene	12.90	91	2372708	150.839	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	2888620	154.381	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	230693	171.409	ug/l	96
82) 4-Chlorotoluene	12.99	91	2469381	149.159	ug/l	99
83) tert-Butylbenzene	13.21	119	2397804	154.748	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	2876975	151.654	ug/l	100
85) sec-Butylbenzene	13.38	105	3468572	149.794	ug/l	100
86) p-Isopropyltoluene	13.50	119	3132174	153.467	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	1467892	143.075	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	1439895	140.606	ug/l	99
89) n-Butylbenzene	13.83	91	3120232	154.312	ug/l	98
90) Hexachloroethane	14.10	117	589376	150.772	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	1310380	142.446	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	115427	147.937	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	931208	153.440	ug/l	100
94) Hexachlorobutadiene	15.24	225	540281	146.602	ug/l	100
95) Naphthalene	15.37	128	1868034	171.447	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	820906	155.909	ug/l	99

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

