

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW041719\
 Data File : VW010032.D
 Acq On : 18 Apr 2019 01:47
 Operator : SY/VA
 Sample : VW0417SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0417SBS02

Manual Integrations
 APPROVED

MMDadoda
 4/18/2019 11:39:17 AM

Quant Time: Apr 18 04:34:31 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	303412	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	522661	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	494777	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	254005	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	216226	57.75	ug/l	0.00
Spiked Amount			Recovery	=	115.50%	
35) Dibromofluoromethane	7.88	113	167637	50.45	ug/l	0.00
Spiked Amount			Recovery	=	100.90%	
50) Toluene-d8	10.32	98	629081	50.52	ug/l	0.00
Spiked Amount			Recovery	=	101.04%	
62) 4-Bromofluorobenzene	12.62	95	235614	52.06	ug/l	0.00
Spiked Amount			Recovery	=	104.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	39515	17.081	ug/l	99
3) Chloromethane	2.21	50	42476	18.360	ug/l	98
4) Vinyl Chloride	2.37	62	49005	18.223	ug/l	95
5) Bromomethane	2.78	94	35828	19.824	ug/l	99
6) Chloroethane	2.92	64	36485	20.764	ug/l	99
7) Trichlorofluoromethane	3.25	101	28717	15.445	ug/l	100
8) Diethyl Ether	3.67	74	37136	24.011	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	62304	19.914	ug/l	94
10) Methyl Iodide	4.26	142	93197	21.555	ug/l	99
11) Tert butyl alcohol	5.17	59	29009	136.016	ug/l #	84
12) 1,1-Dichloroethene	4.04	96	57000	19.003	ug/l	93
13) Acrolein	3.89	56	22304	99.405	ug/l	85
14) Allyl chloride	4.66	41	104148	19.530	ug/l	100
15) Acrylonitrile	5.36	53	98869	124.215	ug/l	100
16) Acetone	4.12	43	92901	106.937	ug/l	97
17) Carbon Disulfide	4.37	76	153199	17.839	ug/l	100
18) Methyl Acetate	4.67	43	51631	25.679	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	96586	24.791	ug/l	99
20) Methylene Chloride	4.91	84	91238	24.844	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	66333	20.422	ug/l	95
22) Diisopropyl ether	6.31	45	263138	24.326	ug/l	99
23) Vinyl Acetate	6.25	43	826942	121.441	ug/l	99
24) 1,1-Dichloroethane	6.21	63	142502	22.037	ug/l	98
25) 2-Butanone	7.17	43	148543	130.164	ug/l	98
26) 2,2-Dichloropropane	7.17	77	63317	17.698	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	78243	21.903	ug/l	98
28) Bromochloromethane	7.51	49	68489	25.917	ug/l	96
29) Tetrahydrofuran	7.52	42	96853	133.941	ug/l	98
30) Chloroform	7.67	83	147462	22.759	ug/l	98
31) Cyclohexane	7.95	56	112106	18.514	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	107026	21.041	ug/l	100
36) 1,1-Dichloropropene	8.08	75	101305	18.975	ug/l	100
37) Ethyl Acetate	7.26	43	67732	24.966	ug/l	98
38) Carbon Tetrachloride	8.07	117	97688	18.748	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	105149	16.995	ug/l	97
40) Benzene	8.32	78	305398	20.921	ug/l	98
41) Methacrylonitrile	7.48	41	38543	24.928	ug/l	98
42) 1,2-Dichloroethane	8.40	62	112346	22.394	ug/l	100
43) Isopropyl Acetate	8.42	43	123536	24.300	ug/l	98
44) Trichloroethene	9.09	130	72481	19.549	ug/l	100
45) 1,2-Dichloropropane	9.37	63	83515	21.765	ug/l	99
46) Dibromomethane	9.46	93	45769	23.014	ug/l	99
47) Bromodichloromethane	9.64	83	110307	21.487	ug/l	96
48) Methyl methacrylate	9.43	41	59202	23.923	ug/l	99
49) 1,4-Dioxane	9.45	88	16108	530.083	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	339808	127.621	ug/l	99
52) Toluene	10.38	92	186738	20.536	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	105554	20.738	ug/l	94
54) cis-1,3-Dichloropropene	10.07	75	118737	20.430	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	63643	22.928	ug/l	100
56) Ethyl methacrylate	10.65	69	78579	21.951	ug/l	99
57) 1,3-Dichloropropane	10.93	76	112132	22.538	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	232628	140.253	ug/l	99
59) 2-Hexanone	10.97	43	234055	126.278	ug/l	96
60) Dibromochloromethane	11.13	129	71004	22.132	ug/l	99
61) 1,2-Dibromoethane	11.23	107	60684	22.982	ug/l	99
64) Tetrachloroethene	10.86	164	71214	22.172	ug/l	98
65) Chlorobenzene	11.66	112	205620	20.305	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	75330	20.801	ug/l	97
67) Ethyl Benzene	11.73	91	349293	19.332	ug/l	99
68) m/p-Xylenes	11.84	106	269349	39.881	ug/l	100
69) o-Xylene	12.17	106	124523	20.249	ug/l	99
70) Styrene	12.18	104	213591	20.144	ug/l	99
71) Bromoform	12.35	173	42779	22.340	ug/l #	100
73) Isopropylbenzene	12.47	105	339209	19.188	ug/l	100
74) N-amyl acetate	12.27	43	110955	22.664	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	78924	22.597	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	59294m	23.324	ug/l	
77) Bromobenzene	12.75	156	85636	21.063	ug/l	99
78) n-propylbenzene	12.80	91	426651	19.473	ug/l	99
79) 2-Chlorotoluene	12.89	91	254219	20.175	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	296321	19.769	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	21905	20.317	ug/l	98
82) 4-Chlorotoluene	12.99	91	268128	20.218	ug/l	100
83) tert-Butylbenzene	13.21	119	240919	19.409	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	306904	20.195	ug/l	100
85) sec-Butylbenzene	13.38	105	355900	19.187	ug/l	99
86) p-Isopropyltoluene	13.50	119	310877	19.015	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	167715	20.406	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	167188	20.380	ug/l	97
89) n-Butylbenzene	13.83	91	295575	18.248	ug/l	99
90) Hexachloroethane	14.10	117	60354	19.274	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	155025	21.037	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	15005	24.007	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	94976	19.536	ug/l	97
94) Hexachlorobutadiene	15.24	225	55314	18.736	ug/l	99
95) Naphthalene	15.37	128	195325	21.808	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	89773	21.284	ug/l	100

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

