

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW061419\
 Data File : VW010812.D
 Acq On : 14 Jun 2019 14:15
 Operator : SY/VA
 Sample : VW0614SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0614SBSD01

Manual Integrations
 APPROVED

MMDadoda
 6/17/2019 1:23:25 PM

Quant Time: Jun 14 16:02:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W060419S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 05 03:21:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	235045	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	380969	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	336064	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	164762	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	140502	50.72	ug/l	0.00
Spiked Amount						
			Recovery	=	101.44%	
35) Dibromofluoromethane	7.88	113	109855	53.13	ug/l	0.00
Spiked Amount						
			Recovery	=	106.26%	
50) Toluene-d8	10.32	98	460734	50.81	ug/l	0.00
Spiked Amount						
			Recovery	=	101.62%	
62) 4-Bromofluorobenzene	12.62	95	170710	51.74	ug/l	0.00
Spiked Amount						
			Recovery	=	103.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	45349	20.878	ug/l	99
3) Chloromethane	2.21	50	67374	21.083	ug/l	99
4) Vinyl Chloride	2.35	62	59706	20.222	ug/l	99
5) Bromomethane	2.75	94	32507	20.049	ug/l	95
6) Chloroethane	2.90	64	35747	20.170	ug/l	96
7) Trichlorofluoromethane	3.25	101	82553	21.539	ug/l	94
8) Diethyl Ether	3.68	74	27657	20.193	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.05	101	51153	21.709	ug/l	100
10) Methyl Iodide	4.26	142	42443	20.606	ug/l	98
11) Tert butyl alcohol	5.17	59	30983	137.276	ug/l	95
12) 1,1-Dichloroethene	4.03	96	47722	20.995	ug/l	94
13) Acrolein	3.90	56	6249	67.756	ug/l	97
14) Allyl chloride	4.67	41	110535	22.054	ug/l	99
15) Acrylonitrile	5.37	53	68969	103.650	ug/l	100
16) Acetone	4.12	43	77800	104.806	ug/l	98
17) Carbon Disulfide	4.37	76	141004	19.541	ug/l	99
18) Methyl Acetate	4.67	43	35791	22.398	ug/l	96
19) Methyl tert-butyl Ether	5.43	73	138472	21.122	ug/l	100
20) Methylene Chloride	4.91	84	58818	22.586	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	54528	21.132	ug/l	96
22) Diisopropyl ether	6.31	45	220102	21.936	ug/l	99
23) Vinyl Acetate	6.26	43	642923	106.172	ug/l	99
24) 1,1-Dichloroethane	6.21	63	110263	21.928	ug/l	98
25) 2-Butanone	7.17	43	110970	107.807	ug/l	98
26) 2,2-Dichloropropane	7.17	77	95405	23.316	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	61728	21.737	ug/l	96
28) Bromochloromethane	7.51	49	44883	20.001	ug/l	96
29) Tetrahydrofuran	7.53	42	65865	101.731	ug/l	98
30) Chloroform	7.68	83	100134	21.771	ug/l	99
31) Cyclohexane	7.95	56	117015	20.934	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	88480	22.022	ug/l	100
36) 1,1-Dichloropropene	8.08	75	85372	21.892	ug/l	100
37) Ethyl Acetate	7.25	43	45946	21.262	ug/l	100
38) Carbon Tetrachloride	8.07	117	74042	21.994	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	104641	21.108	ug/l	98
40) Benzene	8.32	78	230261	21.644	ug/l	99
41) Methacrylonitrile	7.48	41	26175	20.378	ug/l	97
42) 1,2-Dichloroethane	8.40	62	74263	21.994	ug/l	100
43) Isopropyl Acetate	8.43	43	88520	21.203	ug/l	99
44) Trichloroethene	9.09	130	56425	21.501	ug/l	100
45) 1,2-Dichloropropane	9.37	63	61616	21.880	ug/l	100
46) Dibromomethane	9.46	93	28103	21.485	ug/l	97
47) Bromodichloromethane	9.65	83	71889	21.202	ug/l	98
48) Methyl methacrylate	9.44	41	42225	20.977	ug/l	97
49) 1,4-Dioxane	9.45	88	7734	378.184	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	227263	106.556	ug/l	99
52) Toluene	10.39	92	140988	21.539	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	75989	21.159	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	91130	21.564	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	39860	21.153	ug/l	98
56) Ethyl methacrylate	10.65	69	60717	20.940	ug/l	96
57) 1,3-Dichloropropane	10.93	76	75476	21.254	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	166043	109.332	ug/l	99
59) 2-Hexanone	10.97	43	164775	106.898	ug/l	98
60) Dibromochloromethane	11.13	129	42771	20.476	ug/l	100
61) 1,2-Dibromoethane	11.24	107	37335	20.912	ug/l	99
64) Tetrachloroethene	10.86	164	46154	20.685	ug/l	95
65) Chlorobenzene	11.66	112	143040	21.644	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	49559	21.663	ug/l	99
67) Ethyl Benzene	11.73	91	277756	21.869	ug/l	99
68) m/p-Xylenes	11.84	106	198339	43.624	ug/l	99
69) o-Xylene	12.16	106	92619	21.479	ug/l	96
70) Styrene	12.18	104	162396	21.680	ug/l	99
71) Bromoform	12.35	173	23326	19.715	ug/l #	99
73) Isopropylbenzene	12.47	105	264047	21.326	ug/l	99
74) N-amyl acetate	12.27	43	84710	21.170	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	47670	20.224	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	35400m	20.460	ug/l	
77) Bromobenzene	12.75	156	56069	20.746	ug/l	97
78) n-propylbenzene	12.80	91	322090	21.574	ug/l	100
79) 2-Chlorotoluene	12.90	91	182502	21.397	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	217848	21.496	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	14740	19.580	ug/l	93
82) 4-Chlorotoluene	12.99	91	188466	21.412	ug/l	99
83) tert-Butylbenzene	13.21	119	185445	21.562	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	219687	21.542	ug/l	99
85) sec-Butylbenzene	13.38	105	265548	21.206	ug/l	99
86) p-Isopropyltoluene	13.50	119	238912	21.335	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	110792	21.258	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	109346	21.162	ug/l	99
89) n-Butylbenzene	13.83	91	245360	21.960	ug/l	99
90) Hexachloroethane	14.10	117	42354	21.120	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	98860	21.092	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8514	21.035	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	71184	21.642	ug/l	98
94) Hexachlorobutadiene	15.24	225	45999	22.283	ug/l	97
95) Naphthalene	15.37	128	123922	20.737	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	61697	22.056	ug/l	99

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

