

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW041819\
 Data File : VW010046.D
 Acq On : 18 Apr 2019 15:39
 Operator : SY/VA
 Sample : VW0418SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0418SBS01

Manual Integrations
 APPROVED

MMDadoda
 4/19/2019 12:53:04 PM

Quant Time: Apr 18 16:10:06 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	387858	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	628720	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	577738	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	297823	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	264923	55.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.70%	
35) Dibromofluoromethane	7.88	113	211263	52.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.70%	
50) Toluene-d8	10.32	98	831416	55.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.02%	
62) 4-Bromofluorobenzene	12.62	95	299790	55.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	58745	19.864	ug/l	92
3) Chloromethane	2.21	50	51851	17.532	ug/l	99
4) Vinyl Chloride	2.37	62	66692	19.400	ug/l	96
5) Bromomethane	2.77	94	45540	19.712	ug/l	91
6) Chloroethane	2.92	64	46866	20.865	ug/l	94
7) Trichlorofluoromethane	3.25	101	42788	18.002	ug/l	99
8) Diethyl Ether	3.67	74	40090	20.277	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.05	101	84408	21.105	ug/l	99
10) Methyl Iodide	4.27	142	111349	20.146	ug/l	100
11) Tert butyl alcohol	5.18	59	30941	113.488	ug/l	99
12) 1,1-Dichloroethene	4.03	96	80500	20.995	ug/l	98
13) Acrolein	3.89	56	22857	79.690	ug/l	93
14) Allyl chloride	4.66	41	124601	18.278	ug/l	99
15) Acrylonitrile	5.37	53	107906	106.053	ug/l	99
16) Acetone	4.12	43	110350	99.366	ug/l	100
17) Carbon Disulfide	4.37	76	203397	18.476	ug/l	99
18) Methyl Acetate	4.66	43	54927	21.370	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	108072	21.700	ug/l	100
20) Methylene Chloride	4.90	84	106369	22.243	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	83936	20.215	ug/l	97
22) Diisopropyl ether	6.31	45	298644	21.598	ug/l	97
23) Vinyl Acetate	6.25	43	965542	110.923	ug/l	100
24) 1,1-Dichloroethane	6.21	63	171420	20.738	ug/l	99
25) 2-Butanone	7.17	43	166177	113.912	ug/l	99
26) 2,2-Dichloropropane	7.16	77	91419	19.990	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	93029	20.372	ug/l	99
28) Bromochloromethane	7.51	49	76258	22.574	ug/l	96
29) Tetrahydrofuran	7.53	42	107010	115.767	ug/l	98
30) Chloroform	7.67	83	172840	20.867	ug/l	99
31) Cyclohexane	7.95	56	158542	20.482	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	132674	20.404	ug/l	99
36) 1,1-Dichloropropene	8.08	75	134062	20.875	ug/l	99
37) Ethyl Acetate	7.25	43	78724	24.123	ug/l	99
38) Carbon Tetrachloride	8.06	117	128574	20.513	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	146390	19.481	ug/l	98
40) Benzene	8.32	78	370264	21.085	ug/l	99
41) Methacrylonitrile	7.48	41	42933	23.083	ug/l	97
42) 1,2-Dichloroethane	8.40	62	127862	21.188	ug/l	100
43) Isopropyl Acetate	8.42	43	135999	22.239	ug/l	99
44) Trichloroethene	9.09	130	91462	20.507	ug/l	99
45) 1,2-Dichloropropane	9.37	63	96663	20.942	ug/l	94
46) Dibromomethane	9.46	93	51714	21.617	ug/l	97
47) Bromodichloromethane	9.64	83	127427	20.634	ug/l	98
48) Methyl methacrylate	9.43	41	66935	22.486	ug/l	99
49) 1,4-Dioxane	9.45	88	16363	447.639	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	378193	118.077	ug/l	99
52) Toluene	10.38	92	229643	20.994	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	125190	20.447	ug/l	94
54) cis-1,3-Dichloropropene	10.07	75	144342	20.646	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	74699	22.372	ug/l	95
56) Ethyl methacrylate	10.65	69	88419	20.704	ug/l	97
57) 1,3-Dichloropropane	10.93	76	127619	21.324	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	256582	128.600	ug/l	99
59) 2-Hexanone	10.97	43	259464	116.373	ug/l	99
60) Dibromochloromethane	11.13	129	80824	20.943	ug/l	98
61) 1,2-Dibromoethane	11.23	107	67320	21.194	ug/l	96
64) Tetrachloroethene	10.86	164	77230	20.592	ug/l	96
65) Chlorobenzene	11.66	112	246020	20.805	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	89209	21.096	ug/l	99
67) Ethyl Benzene	11.73	91	439931	20.852	ug/l	98
68) m/p-Xylenes	11.84	106	335097	42.491	ug/l	100
69) o-Xylene	12.16	106	152954	21.301	ug/l	99
70) Styrene	12.18	104	260881	21.071	ug/l	99
71) Bromoform	12.35	173	47280	21.145	ug/l #	98
73) Isopropylbenzene	12.46	105	428833	20.689	ug/l	100
74) N-amyl acetate	12.27	43	126414	22.023	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	89522	21.860	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	64492m	21.636	ug/l	
77) Bromobenzene	12.75	156	98644	20.693	ug/l	99
78) n-propylbenzene	12.80	91	548033	21.333	ug/l	100
79) 2-Chlorotoluene	12.90	91	310732	21.031	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	366506	20.854	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	26189	20.717	ug/l	94
82) 4-Chlorotoluene	12.99	91	327009	21.030	ug/l	99
83) tert-Butylbenzene	13.21	119	302865	20.810	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	379355	21.290	ug/l	100
85) sec-Butylbenzene	13.38	105	467034	21.474	ug/l	99
86) p-Isopropyltoluene	13.50	119	401368	20.937	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	202239	20.987	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	202793	21.083	ug/l	99
89) n-Butylbenzene	13.83	91	399000	21.009	ug/l	100
90) Hexachloroethane	14.10	117	75467	20.554	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	183375	21.223	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	16007	21.842	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	117869	20.678	ug/l	100
94) Hexachlorobutadiene	15.24	225	69482	20.073	ug/l	97
95) Naphthalene	15.37	128	221169	21.151	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	105381	21.308	ug/l	99

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

