

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021819\
 Data File : VW008724.D
 Acq On : 18 Feb 2019 13:18
 Operator : SY/VA
 Sample : VW0218SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0218SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/19/2019 11:12:43 AM

Quant Time: Feb 19 03:43:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 04:06:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	413093	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	607200	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	548007	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	288394	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	196476	45.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.50%	
35) Dibromofluoromethane	7.88	113	183096	48.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.12%	
50) Toluene-d8	10.32	98	689256	47.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.84%	
62) 4-Bromofluorobenzene	12.62	95	254402	46.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.94%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.00	85	50920m	19.245	ug/l
3) Chloromethane	2.21	50	67553	17.711	ug/l
4) Vinyl Chloride	2.36	62	87655	17.495	ug/l
5) Bromomethane	2.77	94	72744	18.349	ug/l
6) Chloroethane	2.92	64	68558	18.390	ug/l
7) Trichlorofluoromethane	3.25	101	69430	17.792	ug/l
8) Diethyl Ether	3.67	74	39717	17.056	ug/l
9) 1,1,2-Trichlorotrifluoroet	4.06	101	74206	17.995	ug/l
10) Methyl Iodide	4.26	142	117498	18.255	ug/l
11) Tert butyl alcohol	5.17	59	28322	82.424	ug/l #
12) 1,1-Dichloroethene	4.03	96	74870	18.565	ug/l
13) Acrolein	3.88	56	28541	80.619	ug/l
14) Allyl chloride	4.65	41	121899	18.193	ug/l
15) Acrylonitrile	5.36	53	89278	91.086	ug/l
16) Acetone	4.12	43	87734	89.774	ug/l
17) Carbon Disulfide	4.37	76	221368	18.189	ug/l
18) Methyl Acetate	4.67	43	37698	16.881	ug/l
19) Methyl tert-butyl Ether	5.42	73	128702	18.179	ug/l
20) Methylene Chloride	4.91	84	84864	14.585	ug/l
21) trans-1,2-Dichloroethene	5.42	96	83289	18.858	ug/l
22) Diisopropyl ether	6.31	45	244651	18.142	ug/l
23) Vinyl Acetate	6.25	43	788505	90.090	ug/l
24) 1,1-Dichloroethane	6.21	63	146214	18.789	ug/l
25) 2-Butanone	7.17	43	125586	91.006	ug/l
26) 2,2-Dichloropropane	7.17	77	99867	20.543	ug/l
27) cis-1,2-Dichloroethene	7.17	96	90219	18.891	ug/l
28) Bromochloromethane	7.51	49	65894	20.059	ug/l
29) Tetrahydrofuran	7.53	42	77685	85.409	ug/l
30) Chloroform	7.67	83	148818	19.086	ug/l
31) Cyclohexane	7.95	56	145385	18.510	ug/l
32) 1,1,1-Trichloroethane	7.87	97	127896	19.422	ug/l
36) 1,1-Dichloropropene	8.08	75	123124	20.183	ug/l
37) Ethyl Acetate	7.25	43	55097	18.723	ug/l
38) Carbon Tetrachloride	8.06	117	124208	20.476	ug/l

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	150689	19.529	ug/l	98
40) Benzene	8.32	78	324198	19.459	ug/l	99
41) Methacrylonitrile	7.48	41	30477	18.407	ug/l #	85
42) 1,2-Dichloroethane	8.40	62	101102	19.564	ug/l	100
43) Isopropyl Acetate	8.42	43	106790	18.199	ug/l	97
44) Trichloroethene	9.09	130	92762	20.081	ug/l	92
45) 1,2-Dichloropropane	9.37	63	79924	19.384	ug/l	97
46) Dibromomethane	9.46	93	44328	19.516	ug/l	99
47) Bromodichloromethane	9.64	83	106071	19.432	ug/l	98
48) Methyl methacrylate	9.43	41	49726	18.286	ug/l	96
49) 1,4-Dioxane	9.45	88	12603	347.612	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	273900	90.868	ug/l	100
52) Toluene	10.38	92	209444	19.486	ug/l	97
53) t-1,3-Dichloropropene	10.60	75	110777	19.317	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	126421	19.447	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	60230	19.326	ug/l	98
56) Ethyl methacrylate	10.65	69	77340	18.689	ug/l	97
57) 1,3-Dichloropropane	10.93	76	106244	19.214	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	205329	103.430	ug/l	100
59) 2-Hexanone	10.97	43	188089	88.826	ug/l	98
60) Dibromochloromethane	11.13	129	71997	19.307	ug/l	97
61) 1,2-Dibromoethane	11.23	107	58829	19.172	ug/l	97
64) Tetrachloroethene	10.86	164	77661	19.057	ug/l	98
65) Chlorobenzene	11.66	112	229208	19.405	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	81019	19.363	ug/l	99
67) Ethyl Benzene	11.73	91	405627	19.279	ug/l	99
68) m/p-Xylenes	11.84	106	312705	38.198	ug/l	98
69) o-Xylene	12.16	106	147042	19.002	ug/l	99
70) Styrene	12.18	104	238098	18.838	ug/l	99
71) Bromoform	12.35	173	43009	19.077	ug/l #	99
73) Isopropylbenzene	12.46	105	412670	19.210	ug/l	100
74) N-amyl acetate	12.27	43	99291	17.092	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	69418	18.573	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	48839m	17.150	ug/l	
77) Bromobenzene	12.75	156	95562	19.352	ug/l	98
78) n-propylbenzene	12.80	91	492535	19.297	ug/l	99
79) 2-Chlorotoluene	12.89	91	277206	19.216	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	339687	19.037	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	22003	18.697	ug/l	98
82) 4-Chlorotoluene	12.99	91	290531	19.004	ug/l	99
83) tert-Butylbenzene	13.21	119	299900	19.356	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	349808	19.074	ug/l	99
85) sec-Butylbenzene	13.38	105	430253	19.072	ug/l	99
86) p-Isopropyltoluene	13.50	119	381118	18.884	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	195393	19.519	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	193385	19.602	ug/l	98
89) n-Butylbenzene	13.83	91	371914	19.392	ug/l	100
90) Hexachloroethane	14.10	117	71185	20.189	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	170207	19.191	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	11811	18.185	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	127677	20.223	ug/l	98
94) Hexachlorobutadiene	15.24	225	77481	21.083	ug/l	98
95) Naphthalene	15.37	128	214477	18.957	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	107733	19.886	ug/l	98

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

