

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102218\
 Data File : VW006246.D
 Acq On : 22 Oct 2018 13:00
 Operator : VA/AP
 Sample : VW1022SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1022SBS01

Manual Integrations
 APPROVED

sam
 10/24/2018 5:33:03 PM

Quant Time: Oct 22 14:38:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 18 17:01:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	318603	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	445564	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	393713	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	217461	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	118883	45.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.02%	
35) Dibromofluoromethane	7.88	113	129231	49.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.16%	
50) Toluene-d8	10.33	98	489019	48.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.64%	
62) 4-Bromofluorobenzene	12.62	95	183540	48.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	25755	16.336	ug/l	98
3) Chloromethane	2.21	50	32461	15.995	ug/l	100
4) Vinyl Chloride	2.37	62	51689	17.834	ug/l	98
5) Bromomethane	2.79	94	42112	15.975	ug/l	100
6) Chloroethane	2.93	64	36533	17.589	ug/l	98
7) Trichlorofluoromethane	3.26	101	47333	17.531	ug/l	97
8) Diethyl Ether	3.68	74	25295	17.628	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	58274	20.595	ug/l	98
10) Methyl Iodide	4.26	142	94700	20.108	ug/l	100
11) Tert butyl alcohol	5.24	59	12527m	70.517	ug/l	
12) 1,1-Dichloroethene	4.03	96	55548	20.867	ug/l	90
13) Acrolein	3.90	56	14724	85.657	ug/l	93
14) Allyl chloride	4.67	41	74520	19.578	ug/l	99
15) Acrylonitrile	5.38	53	44642	86.739	ug/l	100
16) Acetone	4.15	43	57256	107.079	ug/l	99
17) Carbon Disulfide	4.37	76	146292	18.209	ug/l	99
18) Methyl Acetate	4.68	43	22346	16.811	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	77474	19.108	ug/l	93
20) Methylene Chloride	4.91	84	60554	20.713	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	60534	20.373	ug/l	94
22) Diisopropyl ether	6.32	45	144323	19.187	ug/l	97
23) Vinyl Acetate	6.26	43	392289	88.373	ug/l	98
24) 1,1-Dichloroethane	6.21	63	98173	20.227	ug/l	99
25) 2-Butanone	7.18	43	64687	90.653	ug/l	98
26) 2,2-Dichloropropane	7.17	77	71267	20.819	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	66760	20.360	ug/l	99
28) Bromochloromethane	7.51	49	29012	15.483	ug/l	96
29) Tetrahydrofuran	7.54	42	35654	81.288	ug/l	99
30) Chloroform	7.68	83	107111	20.256	ug/l	99
31) Cyclohexane	7.95	56	94523	19.556	ug/l	94
32) 1,1,1-Trichloroethane	7.87	97	98752	20.703	ug/l	99
36) 1,1-Dichloropropene	8.09	75	86948	21.171	ug/l	99
37) Ethyl Acetate	7.26	43	25597	16.776	ug/l	98
38) Carbon Tetrachloride	8.07	117	95423	21.195	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	114179	20.915	ug/l	99
40) Benzene	8.32	78	235036	20.863	ug/l	98
41) Methacrylonitrile	7.49	41	16001	17.395	ug/l	95
42) 1,2-Dichloroethane	8.40	62	66180	19.995	ug/l	99
43) Isopropyl Acetate	8.43	43	52205	16.733	ug/l	98
44) Trichloroethene	9.09	130	74569	21.575	ug/l	100
45) 1,2-Dichloropropane	9.37	63	54605	20.256	ug/l	96
46) Dibromomethane	9.46	93	29948	19.492	ug/l	98
47) Bromodichloromethane	9.65	83	73478	19.725	ug/l	96
48) Methyl methacrylate	9.44	41	25012	16.913	ug/l	96
49) 1,4-Dioxane	9.49	88	9022	381.432	ug/l #	98
51) 4-Methyl-2-Pentanone	10.21	43	131125	83.885	ug/l	98
52) Toluene	10.39	92	159705	21.146	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	70882	19.099	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	85225	20.008	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	42337	19.691	ug/l	95
56) Ethyl methacrylate	10.65	69	48055	18.231	ug/l	94
57) 1,3-Dichloropropane	10.94	76	68825	19.337	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	89630	88.991	ug/l	99
59) 2-Hexanone	10.98	43	99303	88.995	ug/l	99
60) Dibromochloromethane	11.13	129	51087	19.076	ug/l	99
61) 1,2-Dibromoethane	11.24	107	41094	19.128	ug/l	99
64) Tetrachloroethene	10.87	164	67084	21.949	ug/l	97
65) Chlorobenzene	11.66	112	182234	21.622	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	63247	21.116	ug/l	99
67) Ethyl Benzene	11.74	91	318864	21.830	ug/l	100
68) m/p-Xylenes	11.84	106	253276	43.871	ug/l	99
69) o-Xylene	12.17	106	118925	21.615	ug/l	99
70) Styrene	12.19	104	187415	20.947	ug/l	100
71) Bromoform	12.35	173	29989	17.951	ug/l #	100
73) Isopropylbenzene	12.47	105	337071	21.940	ug/l	99
74) N-amyl acetate	12.28	43	52226	17.503	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	45142	19.319	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	31068m	18.705	ug/l	
77) Bromobenzene	12.75	156	81015	21.530	ug/l	97
78) n-propylbenzene	12.81	91	392896	21.982	ug/l	100
79) 2-Chlorotoluene	12.90	91	218568	21.764	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	283729	21.907	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	11918	17.152	ug/l	95
82) 4-Chlorotoluene	12.99	91	230336	21.896	ug/l	99
83) tert-Butylbenzene	13.21	119	255931	22.087	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	286310	21.846	ug/l	99
85) sec-Butylbenzene	13.39	105	363005	22.175	ug/l	100
86) p-Isopropyltoluene	13.51	119	326455	22.048	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	163021	21.769	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	160397	21.512	ug/l	99
89) n-Butylbenzene	13.83	91	300212	22.170	ug/l	99
90) Hexachloroethane	14.10	117	52839	21.068	ug/l	97
91) 1,2-Dichlorobenzene	13.88	146	142596	21.347	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7136	17.057	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	111149	21.625	ug/l	99
94) Hexachlorobutadiene	15.24	225	72976	22.602	ug/l	99
95) Naphthalene	15.38	128	161850	18.929	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	93297	20.986	ug/l	99

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

