

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102218\
 Data File : VW006247.D
 Acq On : 22 Oct 2018 13:26
 Operator : VA/AP
 Sample : VW1022SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1022SBSD01

Manual Integrations
 APPROVED

sam
 10/24/2018 5:33:07 PM

Quant Time: Oct 22 14:35:05 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	310625	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	432577	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	390362	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	220349	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	115566	44.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.76%	
35) Dibromofluoromethane	7.88	113	120895	47.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.60%	
50) Toluene-d8	10.33	98	451320	46.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.82%	
62) 4-Bromofluorobenzene	12.62	95	175319	48.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	22579	14.689	ug/l	99
3) Chloromethane	2.21	50	30412	15.370	ug/l	99
4) Vinyl Chloride	2.37	62	51047	18.065	ug/l	99
5) Bromomethane	2.78	94	43098	16.769	ug/l	100
6) Chloroethane	2.93	64	34316	16.946	ug/l	97
7) Trichlorofluoromethane	3.26	101	46151	17.532	ug/l	100
8) Diethyl Ether	3.68	74	26337	18.826	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	56644	20.533	ug/l	98
10) Methyl Iodide	4.26	142	93189	20.296	ug/l	100
11) Tert butyl alcohol	5.21	59	17772	102.611	ug/l	99
12) 1,1-Dichloroethene	4.03	96	53581	20.645	ug/l	95
13) Acrolein	3.89	56	15860	94.635	ug/l	93
14) Allyl chloride	4.67	41	73772	19.879	ug/l	98
15) Acrylonitrile	5.37	53	51805	103.242	ug/l	100
16) Acetone	4.13	43	65359	128.061	ug/l	98
17) Carbon Disulfide	4.38	76	142983	18.254	ug/l	99
18) Methyl Acetate	4.68	43	25677	19.813	ug/l	96
19) Methyl tert-butyl Ether	5.43	73	82332	20.828	ug/l	98
20) Methylene Chloride	4.91	84	60469	21.256	ug/l	93
21) trans-1,2-Dichloroethene	5.42	96	60605	20.920	ug/l	94
22) Diisopropyl ether	6.32	45	149157	20.339	ug/l	96
23) Vinyl Acetate	6.26	43	426800	98.617	ug/l	99
24) 1,1-Dichloroethane	6.21	63	98493	20.814	ug/l	99
25) 2-Butanone	7.18	43	78295	112.541	ug/l	100
26) 2,2-Dichloropropane	7.17	77	69511	20.828	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	68333	21.375	ug/l	98
28) Bromochloromethane	7.51	49	32132	17.589	ug/l	92
29) Tetrahydrofuran	7.53	42	43405	101.501	ug/l	97
30) Chloroform	7.68	83	108686	21.081	ug/l	97
31) Cyclohexane	7.96	56	92956	19.726	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	96518	20.754	ug/l	100
36) 1,1-Dichloropropene	8.09	75	85664	21.485	ug/l	99
37) Ethyl Acetate	7.26	43	30679	20.710	ug/l	98
38) Carbon Tetrachloride	8.07	117	92530	21.170	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	110790	20.904	ug/l	98
40) Benzene	8.33	78	234367	21.429	ug/l	100
41) Methacrylonitrile	7.49	41	17966	20.118	ug/l	95
42) 1,2-Dichloroethane	8.40	62	68995	21.472	ug/l	99
43) Isopropyl Acetate	8.43	43	60599	20.007	ug/l	99
44) Trichloroethene	9.09	130	73289	21.842	ug/l	99
45) 1,2-Dichloropropane	9.37	63	55074	21.043	ug/l	99
46) Dibromomethane	9.46	93	32331	21.675	ug/l	98
47) Bromodichloromethane	9.65	83	75235	20.804	ug/l	99
48) Methyl methacrylate	9.44	41	28795	20.056	ug/l	96
49) 1,4-Dioxane	9.46	88	9542	415.528	ug/l #	94
51) 4-Methyl-2-Pentanone	10.21	43	156455	103.094	ug/l	98
52) Toluene	10.39	92	158786	21.655	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	74553	20.691	ug/l	98
54) cis-1,3-Dichloropropene	10.08	75	86337	20.878	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	44990	21.553	ug/l	98
56) Ethyl methacrylate	10.65	69	52624	20.564	ug/l	97
57) 1,3-Dichloropropane	10.93	76	74580	21.583	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	99157	101.406	ug/l	97
59) 2-Hexanone	10.98	43	118684	109.557	ug/l	97
60) Dibromochloromethane	11.13	129	53567	20.602	ug/l	99
61) 1,2-Dibromoethane	11.24	107	45547	21.838	ug/l	98
64) Tetrachloroethene	10.87	164	65770	21.703	ug/l	98
65) Chlorobenzene	11.66	112	182721	21.866	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	63476	21.374	ug/l	99
67) Ethyl Benzene	11.74	91	313192	21.626	ug/l	100
68) m/p-Xylenes	11.85	106	251334	43.908	ug/l	99
69) o-Xylene	12.17	106	118582	21.737	ug/l	98
70) Styrene	12.19	104	191713	21.611	ug/l	100
71) Bromoform	12.35	173	33618	20.295	ug/l #	100
73) Isopropylbenzene	12.47	105	335615	21.559	ug/l	100
74) N-amyl acetate	12.28	43	59503	19.680	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	51296	21.665	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	34390m	20.433	ug/l	
77) Bromobenzene	12.75	156	83890	22.002	ug/l	98
78) n-propylbenzene	12.81	91	389749	21.520	ug/l	100
79) 2-Chlorotoluene	12.90	91	217969	21.420	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	282288	21.510	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	13995	19.877	ug/l	100
82) 4-Chlorotoluene	12.99	91	230528	21.627	ug/l	100
83) tert-Butylbenzene	13.21	119	252650	21.518	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	286110	21.545	ug/l	99
85) sec-Butylbenzene	13.39	105	357174	21.533	ug/l	99
86) p-Isopropyltoluene	13.51	119	325652	21.705	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	165335	21.788	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	163877	21.690	ug/l	100
89) n-Butylbenzene	13.83	91	294515	21.464	ug/l	99
90) Hexachloroethane	14.10	117	51917	20.429	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	147340	21.768	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8345	19.686	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	115491	22.175	ug/l	99
94) Hexachlorobutadiene	15.24	225	72676	22.214	ug/l	99
95) Naphthalene	15.38	128	183571	21.188	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	100299	22.265	ug/l	99

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

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