

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102218\
 Data File : VW006269.D
 Acq On : 23 Oct 2018 01:03
 Operator : VA/AP
 Sample : VW1022SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1022SBS02

Manual Integrations
 APPROVED

sam
 10/24/2018 5:33:25 PM

Quant Time: Oct 23 06:12:53 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	235382	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	346961	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	319688	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	180144	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	105586	54.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.22%	
35) Dibromofluoromethane	7.88	113	108461	52.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.80%	
50) Toluene-d8	10.33	98	401607	51.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.98%	
62) 4-Bromofluorobenzene	12.62	95	153603	52.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	18127	15.562	ug/l	98
3) Chloromethane	2.21	50	27472	18.322	ug/l	99
4) Vinyl Chloride	2.37	62	40573	18.948	ug/l	100
5) Bromomethane	2.78	94	40643	20.869	ug/l	100
6) Chloroethane	2.92	64	32619	21.257	ug/l	99
7) Trichlorofluoromethane	3.26	101	35111	17.602	ug/l	99
8) Diethyl Ether	3.68	74	22149	20.893	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.06	101	43675	20.893	ug/l	99
10) Methyl Iodide	4.26	142	76331	21.938	ug/l	100
11) Tert butyl alcohol	5.21	59	14676	111.823	ug/l #	88
12) 1,1-Dichloroethene	4.03	96	41768	21.238	ug/l	95
13) Acrolein	3.90	56	12656	99.657	ug/l	90
14) Allyl chloride	4.67	41	58570	20.828	ug/l	99
15) Acrylonitrile	5.37	53	44039	115.820	ug/l	99
16) Acetone	4.14	43	40017	100.449	ug/l	97
17) Carbon Disulfide	4.37	76	106533	17.948	ug/l	100
18) Methyl Acetate	4.68	43	22711	23.126	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	69330	23.145	ug/l	98
20) Methylene Chloride	4.91	84	55182	25.941	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	49457	22.529	ug/l	99
22) Diisopropyl ether	6.32	45	128333	23.094	ug/l	97
23) Vinyl Acetate	6.26	43	356145	108.597	ug/l	100
24) 1,1-Dichloroethane	6.22	63	83353	23.246	ug/l	99
25) 2-Butanone	7.18	43	58753	111.448	ug/l	93
26) 2,2-Dichloropropane	7.17	77	50506	19.971	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	57041	23.546	ug/l	98
28) Bromochloromethane	7.51	49	26901	19.433	ug/l	95
29) Tetrahydrofuran	7.54	42	37711	116.375	ug/l	98
30) Chloroform	7.68	83	92810	23.757	ug/l	99
31) Cyclohexane	7.96	56	70833	19.836	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	76646	21.749	ug/l	99
36) 1,1-Dichloropropene	8.09	75	69529	21.741	ug/l	99
37) Ethyl Acetate	7.26	43	27028	22.747	ug/l	100
38) Carbon Tetrachloride	8.07	117	70198	20.023	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	84377	19.849	ug/l	99
40) Benzene	8.33	78	198932	22.677	ug/l	100
41) Methacrylonitrile	7.49	41	16554	23.111	ug/l	99
42) 1,2-Dichloroethane	8.40	62	59119	22.938	ug/l	100
43) Isopropyl Acetate	8.43	43	52515	21.616	ug/l	100
44) Trichloroethene	9.09	130	60261	22.391	ug/l	99
45) 1,2-Dichloropropane	9.37	63	47647	22.698	ug/l	100
46) Dibromomethane	9.46	93	27688	23.142	ug/l	99
47) Bromodichloromethane	9.65	83	62164	21.431	ug/l	99
48) Methyl methacrylate	9.44	41	24802	21.537	ug/l	95
49) 1,4-Dioxane	9.47	88	9203	499.658	ug/l #	96
51) 4-Methyl-2-Pentanone	10.21	43	133839	109.954	ug/l	98
52) Toluene	10.39	92	133131	22.637	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	59587	20.618	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	70185	21.160	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	38849	23.204	ug/l	98
56) Ethyl methacrylate	10.65	69	44594	21.726	ug/l	97
57) 1,3-Dichloropropane	10.93	76	64730	23.355	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	84207	107.367	ug/l	97
59) 2-Hexanone	10.98	43	91492	105.296	ug/l	99
60) Dibromochloromethane	11.13	129	43822	21.013	ug/l	99
61) 1,2-Dibromoethane	11.24	107	38783	23.183	ug/l	100
64) Tetrachloroethene	10.87	164	55870	22.512	ug/l	99
65) Chlorobenzene	11.66	112	154862	22.629	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	53422	21.966	ug/l	100
67) Ethyl Benzene	11.74	91	264505	22.302	ug/l	99
68) m/p-Xylenes	11.84	106	208082	44.388	ug/l	100
69) o-Xylene	12.17	106	100070	22.399	ug/l	99
70) Styrene	12.19	104	162557	22.376	ug/l	99
71) Bromoform	12.35	173	27016	19.915	ug/l #	98
73) Isopropylbenzene	12.47	105	275654	21.660	ug/l	100
74) N-amyl acetate	12.28	43	50034	20.241	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	44685	23.085	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	29086m	21.139	ug/l	
77) Bromobenzene	12.75	156	70045	22.471	ug/l	99
78) n-propylbenzene	12.81	91	322412	21.775	ug/l	100
79) 2-Chlorotoluene	12.90	91	185193	22.261	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	232905	21.708	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	10247	17.802	ug/l	94
82) 4-Chlorotoluene	12.99	91	195004	22.377	ug/l	99
83) tert-Butylbenzene	13.21	119	207697	21.637	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	242024	22.293	ug/l	99
85) sec-Butylbenzene	13.39	105	293090	21.613	ug/l	100
86) p-Isopropyltoluene	13.51	119	262952	21.438	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	138847	22.381	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	138443	22.413	ug/l	100
89) n-Butylbenzene	13.83	91	239415	21.343	ug/l	99
90) Hexachloroethane	14.10	117	41633	20.038	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	124982	22.586	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7111	20.519	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	92917	21.823	ug/l	99
94) Hexachlorobutadiene	15.24	225	57433	21.472	ug/l	99
95) Naphthalene	15.38	128	156392	22.080	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	82977	22.531	ug/l	99

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

