

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW121918\
 Data File : VW007626.D
 Acq On : 17 Dec 2018 12:57
 Operator : SY/AP
 Sample : VW1219SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1219SBS01

Manual Integrations
 APPROVED

sam
 12/27/2018 8:23:25 AM

Quant Time: Dec 18 07:24:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 11 02:58:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	76455	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	121840	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	109549	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	55160	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	37719	44.47	ug/l	0.00
Spiked Amount			Recovery	=	88.94%	
35) Dibromofluoromethane	7.88	113	35367	47.95	ug/l	0.00
Spiked Amount			Recovery	=	95.90%	
50) Toluene-d8	10.32	98	131692	47.62	ug/l	0.00
Spiked Amount			Recovery	=	95.24%	
62) 4-Bromofluorobenzene	12.62	95	51839	50.98	ug/l	0.00
Spiked Amount			Recovery	=	101.96%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	12308	23.037	ug/l	97
3) Chloromethane	2.21	50	8921	19.937	ug/l	98
4) Vinyl Chloride	2.37	62	11798	22.468	ug/l	99
5) Bromomethane	2.78	94	7673	21.748	ug/l	99
6) Chloroethane	2.93	64	5979	20.685	ug/l	91
7) Trichlorofluoromethane	3.26	101	11387	24.120	ug/l	100
8) Diethyl Ether	3.68	74	7005	18.958	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	17249	22.143	ug/l	98
10) Methyl Iodide	4.27	142	26068	20.206	ug/l	97
11) Tert butyl alcohol	5.17	59	5094	87.445	ug/l	99
12) 1,1-Dichloroethene	4.04	96	16735	22.313	ug/l	90
13) Acrolein	3.89	56	3763	97.623	ug/l	93
14) Allyl chloride	4.67	41	22456	20.313	ug/l	96
15) Acrylonitrile	5.37	53	14715	94.470	ug/l	98
16) Acetone	4.12	43	16523	111.524	ug/l	92
17) Carbon Disulfide	4.37	76	48423	21.294	ug/l	99
18) Methyl Acetate	4.67	43	7492	18.632	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	23111	20.426	ug/l	98
20) Methylene Chloride	4.92	84	18374	20.356	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	16812	20.038	ug/l	92
22) Diisopropyl ether	6.31	45	41836	19.688	ug/l	96
23) Vinyl Acetate	6.26	43	115990	97.588	ug/l	95
24) 1,1-Dichloroethane	6.21	63	28647	19.947	ug/l	99
25) 2-Butanone	7.17	43	18478	95.534	ug/l	99
26) 2,2-Dichloropropane	7.17	77	21741	22.873	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	18798	20.462	ug/l	98
28) Bromochloromethane	7.51	49	10320	19.104	ug/l	99
29) Tetrahydrofuran	7.53	42	11182	91.321	ug/l	97
30) Chloroform	7.68	83	31838	20.371	ug/l	98
31) Cyclohexane	7.95	56	26948	20.451	ug/l	# 91
32) 1,1,1-Trichloroethane	7.87	97	29687	21.660	ug/l	97
36) 1,1-Dichloropropene	8.08	75	24473	22.019	ug/l	100
37) Ethyl Acetate	7.26	43	8107	19.611	ug/l	98
38) Carbon Tetrachloride	8.07	117	28004	23.156	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.34	83	30639	22.765	ug/l	91
40) Benzene	8.32	78	66087	21.425	ug/l	99
41) Methacrylonitrile	7.48	41	5206	22.115	ug/l #	91
42) 1,2-Dichloroethane	8.40	62	20729	21.394	ug/l	100
43) Isopropyl Acetate	8.43	43	16044	19.648	ug/l	97
44) Trichloroethene	9.09	130	19048	21.626	ug/l	97
45) 1,2-Dichloropropane	9.37	63	14558	20.395	ug/l	97
46) Dibromomethane	9.46	93	8297	20.469	ug/l	100
47) Bromodichloromethane	9.65	83	22693	21.343	ug/l	93
48) Methyl methacrylate	9.44	41	7953	18.964	ug/l	98
49) 1,4-Dioxane	9.45	88	2674	406.561	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	36321	94.136	ug/l	100
52) Toluene	10.39	92	43274	21.679	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	22534	21.830	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	24644	20.652	ug/l	94
55) 1,1,2-Trichloroethane	10.79	97	12298	22.292	ug/l	94
56) Ethyl methacrylate	10.65	69	13520	20.389	ug/l	98
57) 1,3-Dichloropropane	10.93	76	19767	21.830	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	30271	98.993	ug/l	98
59) 2-Hexanone	10.97	43	28068	109.098	ug/l	100
60) Dibromochloromethane	11.13	129	15530	22.306	ug/l	97
61) 1,2-Dibromoethane	11.24	107	11481	21.059	ug/l	96
64) Tetrachloroethene	10.87	164	15876	20.152	ug/l	93
65) Chlorobenzene	11.66	112	49562	21.706	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.73	131	17978	22.355	ug/l	98
67) Ethyl Benzene	11.73	91	87506	22.290	ug/l	96
68) m/p-Xylenes	11.84	106	66563	43.615	ug/l	98
69) o-Xylene	12.17	106	31085	21.809	ug/l	94
70) Styrene	12.18	104	52830	22.948	ug/l	97
71) Bromoform	12.35	173	8872	21.554	ug/l #	99
73) Isopropylbenzene	12.47	105	91856	21.733	ug/l	99
74) N-amyl acetate	12.27	43	15049	19.591	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	12976	20.728	ug/l	96
76) 1,2,3-Trichloropropane	12.77	75	10235m	22.504	ug/l	
77) Bromobenzene	12.75	156	19856	21.194	ug/l	94
78) n-propylbenzene	12.81	91	107345	22.568	ug/l	100
79) 2-Chlorotoluene	12.90	91	61535	21.380	ug/l	96
80) 1,3,5-Trimethylbenzene	12.95	105	80026	22.534	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	4228	20.535	ug/l	97
82) 4-Chlorotoluene	12.99	91	65518	21.596	ug/l	97
83) tert-Butylbenzene	13.21	119	68969	22.040	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	79718	21.813	ug/l	97
85) sec-Butylbenzene	13.39	105	97944	22.928	ug/l	95
86) p-Isopropyltoluene	13.51	119	87158	22.711	ug/l	98
87) 1,3-Dichlorobenzene	13.51	146	40339	21.596	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	40284	21.452	ug/l	99
89) n-Butylbenzene	13.83	91	82167	23.096	ug/l	99
90) Hexachloroethane	14.10	117	15538	22.755	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	36038	21.541	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2510	19.980	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	25372	22.037	ug/l	94
94) Hexachlorobutadiene	15.24	225	13764	22.531	ug/l	99
95) Naphthalene	15.38	128	45536	20.674	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	21260	21.257	ug/l	97

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

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