

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011119\
 Data File : VW008216.D
 Acq On : 12 Jan 2019 03:09
 Operator : SY/VA
 Sample : VW0111SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0111SBS02

Manual Integrations
 APPROVED

apatel
 1/14/2019 2:42:22 PM

Quant Time: Jan 12 03:42:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 09 04:40:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	86704	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	152728	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	142393	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	69378	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	52104	53.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.94%	
35) Dibromofluoromethane	7.88	113	51299	57.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.18%	
50) Toluene-d8	10.32	98	213613	57.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.30%	
62) 4-Bromofluorobenzene	12.62	95	74108	55.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.60%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	12236	17.292	ug/l	91
3) Chloromethane	2.21	50	17649	19.225	ug/l	94
4) Vinyl Chloride	2.37	62	22641	18.896	ug/l	90
5) Bromomethane	2.79	94	19279	21.479	ug/l	92
6) Chloroethane	2.92	64	16429	18.222	ug/l	92
7) Trichlorofluoromethane	3.26	101	17294	17.754	ug/l	90
8) Diethyl Ether	3.68	74	11605	21.074	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	4.06	101	18888	19.530	ug/l	98
10) Methyl Iodide	4.26	142	29642	21.030	ug/l	99
11) Tert butyl alcohol	5.22	59	5471	72.314	ug/l #	100
12) 1,1-Dichloroethene	4.03	96	19033	20.045	ug/l	85
13) Acrolein	3.90	56	4935	75.020	ug/l	94
14) Allyl chloride	4.67	41	32493	18.848	ug/l	96
15) Acrylonitrile	5.38	53	22310	106.416	ug/l	98
16) Acetone	4.14	43	16914	82.382	ug/l	95
17) Carbon Disulfide	4.37	76	56950	19.200	ug/l	99
18) Methyl Acetate	4.68	43	12359	20.067	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	31210	20.219	ug/l	97
20) Methylene Chloride	4.91	84	23085	21.301	ug/l	87
21) trans-1,2-Dichloroethene	5.42	96	21421	20.760	ug/l	89
22) Diisopropyl ether	6.31	45	67086	20.404	ug/l	96
23) Vinyl Acetate	6.26	43	168124	97.364	ug/l	98
24) 1,1-Dichloroethane	6.22	63	39645	20.695	ug/l	99
25) 2-Butanone	7.18	43	26435	97.499	ug/l	97
26) 2,2-Dichloropropane	7.17	77	24862	19.154	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	23433	20.815	ug/l	95
28) Bromochloromethane	7.51	49	13862	18.294	ug/l	96
29) Tetrahydrofuran	7.53	42	17074	94.273	ug/l	95
30) Chloroform	7.68	83	39018	21.398	ug/l	93
31) Cyclohexane	7.95	56	34684	16.913	ug/l	92
32) 1,1,1-Trichloroethane	7.87	97	32341	20.384	ug/l	99
36) 1,1-Dichloropropene	8.09	75	30501	19.387	ug/l	97
37) Ethyl Acetate	7.26	43	12398	19.670	ug/l #	95
38) Carbon Tetrachloride	8.07	117	28740	19.959	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	34942	17.516	ug/l	90
40) Benzene	8.32	78	88010	20.625	ug/l	98
41) Methacrylonitrile	7.48	41	7574	19.023	ug/l	96
42) 1,2-Dichloroethane	8.40	62	24403	20.333	ug/l	98
43) Isopropyl Acetate	8.43	43	23771	18.863	ug/l	96
44) Trichloroethene	9.09	130	22584	20.675	ug/l	97
45) 1,2-Dichloropropane	9.37	63	22411	21.181	ug/l	100
46) Dibromomethane	9.46	93	11135	21.429	ug/l	98
47) Bromodichloromethane	9.65	83	28342	21.481	ug/l	97
48) Methyl methacrylate	9.44	41	11428	19.219	ug/l	91
49) 1,4-Dioxane	9.48	88	3784	452.826	ug/l #	98
51) 4-Methyl-2-Pentanone	10.21	43	61018	100.029	ug/l	98
52) Toluene	10.39	92	56570	20.759	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	27075	19.728	ug/l	94
54) cis-1,3-Dichloropropene	10.07	75	32458	19.944	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	16095	22.062	ug/l	98
56) Ethyl methacrylate	10.65	69	18368	20.330	ug/l	96
57) 1,3-Dichloropropane	10.93	76	28337	21.238	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.93	63	48761	104.482	ug/l	99
59) 2-Hexanone	10.97	43	40106	97.223	ug/l	98
60) Dibromochloromethane	11.13	129	17923	22.372	ug/l	98
61) 1,2-Dibromoethane	11.24	107	15437	22.300	ug/l	97
64) Tetrachloroethene	10.87	164	19097	20.608	ug/l	97
65) Chlorobenzene	11.66	112	61565	20.408	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	20406	20.797	ug/l	97
67) Ethyl Benzene	11.73	91	107172	19.416	ug/l	97
68) m/p-Xylenes	11.84	106	83408	39.590	ug/l	99
69) o-Xylene	12.17	106	38606	19.788	ug/l	99
70) Styrene	12.18	104	62876	20.575	ug/l	98
71) Bromoform	12.35	173	10044	22.872	ug/l #	99
73) Isopropylbenzene	12.47	105	104397	19.167	ug/l	99
74) N-amyl acetate	12.27	43	23007	19.074	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	18571	21.301	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	13309m	21.043	ug/l	
77) Bromobenzene	12.75	156	23959	20.818	ug/l	92
78) n-propylbenzene	12.81	91	129709	19.435	ug/l	99
79) 2-Chlorotoluene	12.90	91	72982	19.601	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	91054	20.343	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.51	75	4974	18.314	ug/l	99
82) 4-Chlorotoluene	12.99	91	77149	19.673	ug/l	98
83) tert-Butylbenzene	13.21	119	75971	19.185	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	90863	19.683	ug/l	98
85) sec-Butylbenzene	13.39	105	110887	19.117	ug/l	100
86) p-Isopropyltoluene	13.51	119	95936	19.153	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	48789	20.898	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	48392	20.660	ug/l	99
89) n-Butylbenzene	13.83	91	92384	18.831	ug/l	98
90) Hexachloroethane	14.10	117	17444	20.618	ug/l	94
91) 1,2-Dichlorobenzene	13.88	146	43234	21.071	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2712	19.329	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	26832	19.697	ug/l	98
94) Hexachlorobutadiene	15.24	225	15107	20.720	ug/l	97
95) Naphthalene	15.38	128	49604	19.502	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	23455	20.198	ug/l	99

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

