

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011419\
 Data File : VW008265.D
 Acq On : 15 Jan 2019 01:24
 Operator : SY/VA
 Sample : VW0114SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0114SBS02

Manual Integrations
 APPROVED

apatel
 1/15/2019 2:08:58 PM

Quant Time: Jan 15 11:12:02 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	80520	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	140267	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	132008	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	66309	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	45530	50.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.62%	
35) Dibromofluoromethane	7.88	113	44042	53.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.68%	
50) Toluene-d8	10.32	98	174392	50.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.60%	
62) 4-Bromofluorobenzene	12.62	95	61946	50.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	12327	18.758	ug/l	91
3) Chloromethane	2.21	50	15881	18.628	ug/l	98
4) Vinyl Chloride	2.37	62	21026	18.896	ug/l	95
5) Bromomethane	2.79	94	19153	22.978	ug/l	92
6) Chloroethane	2.92	64	15386	18.376	ug/l	95
7) Trichlorofluoromethane	3.26	101	15655	17.306	ug/l	94
8) Diethyl Ether	3.67	74	10890	21.295	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	17712	19.721	ug/l	95
10) Methyl Iodide	4.26	142	26744	20.431	ug/l	98
11) Tert butyl alcohol	5.22	59	5716	85.169	ug/l #	100
12) 1,1-Dichloroethene	4.03	96	17388	19.719	ug/l	87
13) Acrolein	3.90	56	5077	83.269	ug/l	97
14) Allyl chloride	4.67	41	29131	18.196	ug/l	97
15) Acrylonitrile	5.38	53	23794	122.211	ug/l	99
16) Acetone	4.15	43	18438	100.718	ug/l #	86
17) Carbon Disulfide	4.37	76	51455	18.680	ug/l	99
18) Methyl Acetate	4.68	43	13827	24.174	ug/l	96
19) Methyl tert-butyl Ether	5.43	73	29678	20.703	ug/l	96
20) Methylene Chloride	4.90	84	21488	21.363	ug/l	90
21) trans-1,2-Dichloroethene	5.42	96	20168	21.047	ug/l	91
22) Diisopropyl ether	6.31	45	62778	20.561	ug/l	99
23) Vinyl Acetate	6.26	43	173944	108.471	ug/l	97
24) 1,1-Dichloroethane	6.21	63	37291	20.961	ug/l	98
25) 2-Butanone	7.18	43	28656	113.808	ug/l	97
26) 2,2-Dichloropropane	7.17	77	21872	18.145	ug/l	95
27) cis-1,2-Dichloroethene	7.17	96	21964	21.008	ug/l	93
28) Bromochloromethane	7.51	49	15042	21.376	ug/l	95
29) Tetrahydrofuran	7.54	42	19599	116.526	ug/l	96
30) Chloroform	7.68	83	35785	21.132	ug/l	93
31) Cyclohexane	7.95	56	33130	17.396	ug/l	94
32) 1,1,1-Trichloroethane	7.87	97	30200	20.496	ug/l	99
36) 1,1-Dichloropropene	8.09	75	28571	19.774	ug/l	98
37) Ethyl Acetate	7.26	43	13355	23.071	ug/l	96
38) Carbon Tetrachloride	8.07	117	27587	20.860	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	33316	18.185	ug/l	96
40) Benzene	8.32	78	82505	21.053	ug/l	99
41) Methacrylonitrile	7.49	41	8054	22.025	ug/l	94
42) 1,2-Dichloroethane	8.40	62	23734	21.533	ug/l	99
43) Isopropyl Acetate	8.43	43	25041	21.636	ug/l	97
44) Trichloroethene	9.09	130	22102	22.031	ug/l	92
45) 1,2-Dichloropropane	9.37	63	21047	21.659	ug/l	94
46) Dibromomethane	9.46	93	11054	23.163	ug/l	97
47) Bromodichloromethane	9.64	83	26261	21.672	ug/l	98
48) Methyl methacrylate	9.43	41	12240	22.413	ug/l	91
49) 1,4-Dioxane	9.48	88	3518	458.394	ug/l #	84
51) 4-Methyl-2-Pentanone	10.21	43	67998	121.374	ug/l	99
52) Toluene	10.39	92	53900	21.536	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	26587	21.093	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	30482	20.394	ug/l	95
55) 1,1,2-Trichloroethane	10.79	97	15309	22.849	ug/l	93
56) Ethyl methacrylate	10.65	69	18933	22.817	ug/l	97
57) 1,3-Dichloropropane	10.93	76	27882	22.754	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	49921	116.471	ug/l	98
59) 2-Hexanone	10.97	43	43920	115.928	ug/l	99
60) Dibromochloromethane	11.13	129	18071	24.561	ug/l	99
61) 1,2-Dibromoethane	11.24	107	15174	23.868	ug/l	99
64) Tetrachloroethene	10.86	164	18892	21.990	ug/l	97
65) Chlorobenzene	11.66	112	58689	20.985	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	19505	21.443	ug/l	99
67) Ethyl Benzene	11.73	91	100586	19.657	ug/l	99
68) m/p-Xylenes	11.84	106	78929	40.411	ug/l	99
69) o-Xylene	12.16	106	36210	20.020	ug/l	99
70) Styrene	12.18	104	60109	21.217	ug/l	98
71) Bromoform	12.35	173	10402	25.551	ug/l #	96
73) Isopropylbenzene	12.47	105	99902	19.190	ug/l	100
74) N-amyl acetate	12.27	43	24146	20.944	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	19929	23.917	ug/l	96
76) 1,2,3-Trichloropropane	12.77	75	13713m	22.686	ug/l	
77) Bromobenzene	12.75	156	22938	20.853	ug/l	93
78) n-propylbenzene	12.81	91	120746	18.930	ug/l	98
79) 2-Chlorotoluene	12.90	91	68013	19.112	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	83941	19.622	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	4943	19.042	ug/l	90
82) 4-Chlorotoluene	12.99	91	71455	19.065	ug/l	96
83) tert-Butylbenzene	13.21	119	75330	19.904	ug/l	95
84) 1,2,4-Trimethylbenzene	13.26	105	87443	19.818	ug/l	99
85) sec-Butylbenzene	13.39	105	108193	19.515	ug/l	99
86) p-Isopropyltoluene	13.51	119	93730	19.578	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	46965	21.048	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	45095	20.143	ug/l	98
89) n-Butylbenzene	13.83	91	88753	18.928	ug/l	99
90) Hexachloroethane	14.10	117	16950	20.961	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	42420	21.632	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	3153	23.512	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	27234	20.917	ug/l	98
94) Hexachlorobutadiene	15.24	225	14872	21.341	ug/l	98
95) Naphthalene	15.37	128	51530	21.197	ug/l	97
96) 1,2,3-Trichlorobenzene	15.56	180	24259	21.857	ug/l	98

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

