

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011019\
 Data File : VW008169.D
 Acq On : 11 Jan 2019 02:00
 Operator : SY/AP
 Sample : VW0110SBSD02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0110SBSD02

Manual Integrations
 APPROVED

MMDadoda
 1/11/2019 2:28:09 PM

Quant Time: Jan 11 07:12:28 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	87423	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	155697	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	143420	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	69331	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	56006	57.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.00%	
35) Dibromofluoromethane	7.88	113	52361	57.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.32%	
50) Toluene-d8	10.32	98	213633	56.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.12%	
62) 4-Bromofluorobenzene	12.62	95	75259	55.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	13362	18.728	ug/l	90
3) Chloromethane	2.21	50	17881	19.317	ug/l	100
4) Vinyl Chloride	2.37	62	24329	20.138	ug/l	90
5) Bromomethane	2.78	94	21584	23.850	ug/l	93
6) Chloroethane	2.93	64	16088	17.697	ug/l	90
7) Trichlorofluoromethane	3.26	101	17124	17.435	ug/l	99
8) Diethyl Ether	3.68	74	12564	22.628	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.06	101	18433	18.903	ug/l	95
10) Methyl Iodide	4.26	142	30090	21.172	ug/l	99
11) Tert butyl alcohol	5.20	59	7935m	117.393	ug/l	
12) 1,1-Dichloroethene	4.04	96	19844	20.727	ug/l	90
13) Acrolein	3.89	56	5874	88.832	ug/l	94
14) Allyl chloride	4.66	41	34678	19.950	ug/l	98
15) Acrylonitrile	5.37	53	25902	122.533	ug/l	99
16) Acetone	4.14	43	20934	106.379	ug/l	90
17) Carbon Disulfide	4.37	76	59017	19.733	ug/l	98
18) Methyl Acetate	4.67	43	15055	24.243	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	34568	22.210	ug/l	97
20) Methylene Chloride	4.91	84	25959	24.369	ug/l	93
21) trans-1,2-Dichloroethene	5.42	96	21763	20.918	ug/l	95
22) Diisopropyl ether	6.31	45	71229	21.486	ug/l	99
23) Vinyl Acetate	6.26	43	193313	111.031	ug/l	98
24) 1,1-Dichloroethane	6.21	63	41123	21.290	ug/l	96
25) 2-Butanone	7.18	43	32124	117.507	ug/l	96
26) 2,2-Dichloropropane	7.16	77	24525	18.739	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	24696	21.756	ug/l	95
28) Bromochloromethane	7.51	49	16356	21.408	ug/l	95
29) Tetrahydrofuran	7.53	42	22751	124.586	ug/l	98
30) Chloroform	7.67	83	40593	22.079	ug/l	96
31) Cyclohexane	7.95	56	38039	18.396	ug/l	94
32) 1,1,1-Trichloroethane	7.87	97	32952	20.598	ug/l	98
36) 1,1-Dichloropropene	8.08	75	31519	19.652	ug/l	99
37) Ethyl Acetate	7.25	43	14886	23.167	ug/l	99
38) Carbon Tetrachloride	8.07	117	29119	19.836	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	37270	18.327	ug/l	97
40) Benzene	8.32	78	90205	20.736	ug/l	99
41) Methacrylonitrile	7.48	41	9622	23.706	ug/l	96
42) 1,2-Dichloroethane	8.40	62	26650	21.782	ug/l	98
43) Isopropyl Acetate	8.43	43	29106	22.656	ug/l	98
44) Trichloroethene	9.09	130	23161	20.799	ug/l	86
45) 1,2-Dichloropropane	9.37	63	22500	20.860	ug/l	94
46) Dibromomethane	9.46	93	12002	22.657	ug/l	96
47) Bromodichloromethane	9.64	83	28992	21.554	ug/l #	99
48) Methyl methacrylate	9.44	41	13388	22.085	ug/l	94
49) 1,4-Dioxane	9.46	88	4247	498.541	ug/l #	100
51) 4-Methyl-2-Pentanone	10.21	43	72811	117.085	ug/l	98
52) Toluene	10.39	92	58182	20.943	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	29055	20.767	ug/l	94
54) cis-1,3-Dichloropropene	10.07	75	33802	20.374	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	17132	23.035	ug/l	92
56) Ethyl methacrylate	10.65	69	20975	22.773	ug/l	99
57) 1,3-Dichloropropane	10.93	76	30038	22.084	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	57422	120.694	ug/l	98
59) 2-Hexanone	10.97	43	47433	112.793	ug/l	98
60) Dibromochloromethane	11.13	129	18492	22.643	ug/l	99
61) 1,2-Dibromoethane	11.24	107	16333	23.145	ug/l	99
64) Tetrachloroethene	10.86	164	20218	21.661	ug/l	88
65) Chlorobenzene	11.66	112	62486	20.565	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	20893	21.141	ug/l	98
67) Ethyl Benzene	11.73	91	109155	19.634	ug/l	95
68) m/p-Xylenes	11.84	106	84430	39.788	ug/l	97
69) o-Xylene	12.17	106	39598	20.151	ug/l	97
70) Styrene	12.18	104	63359	20.585	ug/l	97
71) Bromoform	12.35	173	10150	22.948	ug/l #	98
73) Isopropylbenzene	12.47	105	106459	19.558	ug/l	99
74) N-amyl acetate	12.27	43	26783	22.219	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	19719	22.633	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	14565m	23.045	ug/l	
77) Bromobenzene	12.75	156	23470	20.407	ug/l	95
78) n-propylbenzene	12.81	91	130526	19.571	ug/l	99
79) 2-Chlorotoluene	12.90	91	74281	19.963	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	90514	20.236	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.52	75	5663	20.865	ug/l	95
82) 4-Chlorotoluene	12.99	91	78275	19.974	ug/l	99
83) tert-Butylbenzene	13.21	119	79800	20.166	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	91620	19.860	ug/l	98
85) sec-Butylbenzene	13.39	105	114057	19.676	ug/l	100
86) p-Isopropyltoluene	13.50	119	98557	19.689	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	48754	20.897	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	47962	20.490	ug/l	95
89) n-Butylbenzene	13.83	91	94529	19.281	ug/l	99
90) Hexachloroethane	14.10	117	17699	20.934	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	43781	21.352	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	3445	24.570	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	27891	20.488	ug/l	97
94) Hexachlorobutadiene	15.24	225	14981	20.561	ug/l	97
95) Naphthalene	15.38	128	54076	21.274	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	24683	21.270	ug/l	96

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

