

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW013019\
 Data File : VW008457.D
 Acq On : 30 Jan 2019 11:25
 Operator : SY/VA
 Sample : VW0130SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0130SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/1/2019 10:47:04 AM

Quant Time: Jan 31 02:10:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 25 11:07:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	419396	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	630262	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	548434	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	273406	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	192753	46.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.56%	
35) Dibromofluoromethane	7.88	113	196670	53.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.74%	
50) Toluene-d8	10.32	98	781084	52.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.70%	
62) 4-Bromofluorobenzene	12.62	95	275755	48.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	35344	16.887	ug/l	97
3) Chloromethane	2.21	50	52264	15.267	ug/l	94
4) Vinyl Chloride	2.37	62	77099	17.692	ug/l	96
5) Bromomethane	2.78	94	56115	19.963	ug/l	94
6) Chloroethane	2.93	64	50684	19.017	ug/l	99
7) Trichlorofluoromethane	3.26	101	57881	18.552	ug/l	95
8) Diethyl Ether	3.68	74	34721	16.601	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.06	101	72551	19.126	ug/l	98
10) Methyl Iodide	4.26	142	113705	18.978	ug/l	99
11) Tert butyl alcohol	5.17	59	25889	78.044	ug/l	99
12) 1,1-Dichloroethene	4.03	96	69369	18.070	ug/l	96
13) Acrolein	3.88	56	26554	93.396	ug/l	98
14) Allyl chloride	4.66	41	120566	16.540	ug/l	98
15) Acrylonitrile	5.36	53	69897	77.394	ug/l	98
16) Acetone	4.12	43	71353	77.118	ug/l	98
17) Carbon Disulfide	4.37	76	216028	17.620	ug/l	98
18) Methyl Acetate	4.67	43	35122	14.232	ug/l	92
19) Methyl tert-butyl Ether	5.42	73	103943	16.365	ug/l	98
20) Methylene Chloride	4.91	84	76509	17.941	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	77509	17.959	ug/l	94
22) Diisopropyl ether	6.31	45	220037	15.927	ug/l	97
23) Vinyl Acetate	6.25	43	610343	74.818	ug/l	97
24) 1,1-Dichloroethane	6.21	63	131814	16.856	ug/l	99
25) 2-Butanone	7.17	43	93535	72.781	ug/l	99
26) 2,2-Dichloropropane	7.16	77	95798	18.123	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	81958	17.425	ug/l	97
28) Bromochloromethane	7.51	49	59314	16.514	ug/l	93
29) Tetrahydrofuran	7.52	42	57681	70.826	ug/l	94
30) Chloroform	7.67	83	132668	17.248	ug/l	97
31) Cyclohexane	7.95	56	136825	16.921	ug/l #	96
32) 1,1,1-Trichloroethane	7.87	97	120593	18.152	ug/l	99
36) 1,1-Dichloropropene	8.08	75	111826	18.783	ug/l	97
37) Ethyl Acetate	7.25	43	41070	15.592	ug/l	97
38) Carbon Tetrachloride	8.07	117	117598	19.629	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	145359	18.586	ug/l	94
40) Benzene	8.32	78	301761	18.266	ug/l	96
41) Methacrylonitrile	7.49	41	24726	15.854	ug/l	96
42) 1,2-Dichloroethane	8.40	62	81710	17.067	ug/l	98
43) Isopropyl Acetate	8.42	43	82253	15.031	ug/l	95
44) Trichloroethene	9.09	130	87139	19.397	ug/l	95
45) 1,2-Dichloropropane	9.37	63	71445	17.345	ug/l	94
46) Dibromomethane	9.46	93	38194	18.028	ug/l	98
47) Bromodichloromethane	9.64	83	97413	17.383	ug/l	99
48) Methyl methacrylate	9.43	41	38834	14.513	ug/l	97
49) 1,4-Dioxane	9.45	88	12658	353.464	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	199448	73.775	ug/l	99
52) Toluene	10.38	92	194429	17.829	ug/l	97
53) t-1,3-Dichloropropene	10.60	75	98794	16.568	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	118160	17.461	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	51076	17.381	ug/l	97
56) Ethyl methacrylate	10.65	69	63285	15.369	ug/l	96
57) 1,3-Dichloropropane	10.93	76	88834	16.874	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	161470	80.708	ug/l	96
59) 2-Hexanone	10.97	43	137937	72.274	ug/l	100
60) Dibromochloromethane	11.13	129	65570	17.363	ug/l	99
61) 1,2-Dibromoethane	11.24	107	48058	16.493	ug/l	97
64) Tetrachloroethene	10.86	164	73959	19.918	ug/l	94
65) Chlorobenzene	11.66	112	211833	18.921	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	74754	18.663	ug/l	96
67) Ethyl Benzene	11.73	91	381487	18.538	ug/l	98
68) m/p-Xylenes	11.84	106	297386	37.245	ug/l	97
69) o-Xylene	12.16	106	140419	18.509	ug/l	97
70) Styrene	12.18	104	221301	17.660	ug/l	98
71) Bromoform	12.35	173	38119	16.914	ug/l #	98
73) Isopropylbenzene	12.46	105	392819	19.272	ug/l	100
74) N-amyl acetate	12.27	43	78465	14.943	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	54435	16.868	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	38734m	16.295	ug/l	
77) Bromobenzene	12.75	156	84963	19.087	ug/l	93
78) n-propylbenzene	12.80	91	463059	18.915	ug/l	98
79) 2-Chlorotoluene	12.90	91	256898	18.596	ug/l	96
80) 1,3,5-Trimethylbenzene	12.94	105	320917	18.837	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	18826	15.642	ug/l	97
82) 4-Chlorotoluene	12.99	91	263407	17.909	ug/l	95
83) tert-Butylbenzene	13.21	119	293971	19.390	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	322993	18.652	ug/l	99
85) sec-Butylbenzene	13.39	105	409603	18.918	ug/l	98
86) p-Isopropyltoluene	13.50	119	361704	19.072	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	172540	19.192	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	169580	18.981	ug/l	99
89) n-Butylbenzene	13.83	91	344647	18.508	ug/l	98
90) Hexachloroethane	14.10	117	70258	18.943	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	149689	18.818	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	9848	16.084	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	108655	19.141	ug/l	99
94) Hexachlorobutadiene	15.24	225	68553	20.039	ug/l	99
95) Naphthalene	15.37	128	173758	17.433	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	89981	18.687	ug/l	98

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

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