

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090519\
 Data File : VW012660.D
 Acq On : 06 Sep 2019 00:29
 Operator : SY/VA
 Sample : VW0905SBSD04
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0905SBSD04

Manual Integrations
 APPROVED

MMDadoda
 9/6/2019 12:29:49 PM

Quant Time: Sep 06 08:34:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	196266	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	318142	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	270627	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	127654	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	131623	56.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.82%	
35) Dibromofluoromethane	7.88	113	101096	53.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.48%	
50) Toluene-d8	10.32	98	368219	47.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.64%	
62) 4-Bromofluorobenzene	12.62	95	129725	47.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	27642	22.873	ug/l	93
3) Chloromethane	2.21	50	35914	19.182	ug/l	97
4) Vinyl Chloride	2.35	62	38290	16.709	ug/l	98
5) Bromomethane	2.78	94	22762	19.613	ug/l	93
6) Chloroethane	2.92	64	23668	18.308	ug/l	93
7) Trichlorofluoromethane	3.25	101	22325	19.402	ug/l	99
8) Diethyl Ether	3.68	74	26034	23.836	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	40400	20.655	ug/l	96
10) Methyl Iodide	4.27	142	57423	21.698	ug/l	97
11) Tert butyl alcohol	5.20	59	19352	137.829	ug/l #	86
12) 1,1-Dichloroethene	4.04	96	39143	19.883	ug/l	96
13) Acrolein	3.89	56	7620	57.654	ug/l	90
14) Allyl chloride	4.66	41	85596	20.338	ug/l	98
15) Acrylonitrile	5.37	53	69015	127.482	ug/l	100
16) Acetone	4.14	43	60694	101.768	ug/l	99
17) Carbon Disulfide	4.38	76	86157	14.481	ug/l	100
18) Methyl Acetate	4.67	43	42411	28.711	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	87431	27.463	ug/l	99
20) Methylene Chloride	4.92	84	52821	23.428	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	43149	20.439	ug/l	97
22) Diisopropyl ether	6.31	45	191012	24.485	ug/l	98
23) Vinyl Acetate	6.25	43	555617	115.731	ug/l	99
24) 1,1-Dichloroethane	6.21	63	97594	22.976	ug/l	97
25) 2-Butanone	7.18	43	91696	113.145	ug/l	98
26) 2,2-Dichloropropane	7.17	77	52325	21.764	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	52541	23.295	ug/l	99
28) Bromochloromethane	7.51	49	41124	22.213	ug/l	91
29) Tetrahydrofuran	7.53	42	62091	127.700	ug/l	99
30) Chloroform	7.68	83	95314	24.527	ug/l	99
31) Cyclohexane	7.95	56	76578	18.222	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	72390	23.547	ug/l	98
36) 1,1-Dichloropropene	8.08	75	64840	19.722	ug/l	99
37) Ethyl Acetate	7.25	43	42112	23.375	ug/l	98
38) Carbon Tetrachloride	8.07	117	61549	21.630	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	66867	18.105	ug/l	99
40) Benzene	8.32	78	196134	21.848	ug/l	99
41) Methacrylonitrile	7.48	41	24624	23.255	ug/l	94
42) 1,2-Dichloroethane	8.40	62	70627	25.103	ug/l	99
43) Isopropyl Acetate	8.42	43	81895	24.541	ug/l	99
44) Trichloroethene	9.09	130	47278	21.664	ug/l	95
45) 1,2-Dichloropropane	9.37	63	53553	22.166	ug/l	98
46) Dibromomethane	9.46	93	25090	23.341	ug/l	94
47) Bromodichloromethane	9.64	83	69030	24.129	ug/l	98
48) Methyl methacrylate	9.43	41	40220	25.323	ug/l	96
49) 1,4-Dioxane	9.46	88	8555	519.861	ug/l #	76
51) 4-Methyl-2-Pentanone	10.21	43	208484	122.830	ug/l	100
52) Toluene	10.38	92	116068	21.522	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	66703	22.889	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	77334	21.978	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	37495	24.653	ug/l	98
56) Ethyl methacrylate	10.65	69	53377	24.114	ug/l	98
57) 1,3-Dichloropropane	10.93	76	61788	21.498	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	120751	106.290	ug/l	98
59) 2-Hexanone	10.97	43	119935	99.865	ug/l	100
60) Dibromochloromethane	11.13	129	38214	22.558	ug/l	99
61) 1,2-Dibromoethane	11.24	107	31461	22.204	ug/l	99
64) Tetrachloroethene	10.86	164	36936	21.052	ug/l	98
65) Chlorobenzene	11.66	112	122596	23.006	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	44713	24.052	ug/l	98
67) Ethyl Benzene	11.73	91	219459	21.379	ug/l	99
68) m/p-Xylenes	11.84	106	160837	43.497	ug/l	99
69) o-Xylene	12.16	106	76957	22.487	ug/l	99
70) Styrene	12.18	104	130951	22.107	ug/l	97
71) Bromoform	12.35	173	24160	26.084	ug/l #	98
73) Isopropylbenzene	12.46	105	213416	22.311	ug/l	99
74) N-amyl acetate	12.27	43	68012	23.534	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	43175	24.621	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	36750m	29.559	ug/l	
77) Bromobenzene	12.74	156	51710	24.989	ug/l	94
78) n-propylbenzene	12.80	91	254947	21.833	ug/l	99
79) 2-Chlorotoluene	12.89	91	153098	23.093	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	181683	22.731	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	12428	21.917	ug/l	91
82) 4-Chlorotoluene	12.99	91	162913	23.468	ug/l	99
83) tert-Butylbenzene	13.21	119	148312	21.906	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	170267	21.207	ug/l	100
85) sec-Butylbenzene	13.38	105	199405	20.557	ug/l	99
86) p-Isopropyltoluene	13.50	119	185322	21.393	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	90814	22.437	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	89641	22.305	ug/l	99
89) n-Butylbenzene	13.82	91	172068	19.974	ug/l	99
90) Hexachloroethane	14.09	117	33757	22.211	ug/l	90
91) 1,2-Dichlorobenzene	13.87	146	85563	24.097	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7460	25.234	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	60216	24.540	ug/l	99
94) Hexachlorobutadiene	15.24	225	39305	24.259	ug/l	98
95) Naphthalene	15.36	128	112280	25.624	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	54358	25.390	ug/l	97

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

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