

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081919\
 Data File : VW011979.D
 Acq On : 19 Aug 2019 09:56
 Operator : SY/VA
 Sample : VW0819SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0819SBS01

Manual Integrations
 APPROVED

MMDadoda
 8/20/2019 9:56:26 AM

Quant Time: Aug 19 11:08:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	247585	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	395945	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	339206	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	166337	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	134936	47.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.92%	
35) Dibromofluoromethane	7.88	113	114458	51.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.06%	
50) Toluene-d8	10.32	98	472560	51.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.92%	
62) 4-Bromofluorobenzene	12.62	95	165636	51.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	35276	25.565	ug/l	98
3) Chloromethane	2.21	50	54106	22.613	ug/l	96
4) Vinyl Chloride	2.36	62	66930	23.235	ug/l	98
5) Bromomethane	2.75	94	32823	20.586	ug/l	95
6) Chloroethane	2.91	64	37053	22.519	ug/l	100
7) Trichlorofluoromethane	3.25	101	30551	23.731	ug/l	98
8) Diethyl Ether	3.68	74	28944	19.830	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	55151	22.583	ug/l	98
10) Methyl Iodide	4.27	142	74576	21.609	ug/l	98
11) Tert butyl alcohol	5.17	59	19049	78.564	ug/l	97
12) 1,1-Dichloroethene	4.04	96	55646	21.581	ug/l	98
13) Acrolein	3.89	56	12573	61.635	ug/l	96
14) Allyl chloride	4.66	41	115059	20.980	ug/l	99
15) Acrylonitrile	5.36	53	71706	98.411	ug/l	99
16) Acetone	4.12	43	73161	80.900	ug/l	100
17) Carbon Disulfide	4.37	76	166485	20.629	ug/l	98
18) Methyl Acetate	4.67	43	38522	18.962	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	83436	20.391	ug/l	96
20) Methylene Chloride	4.91	84	60158	19.288	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	58235	20.949	ug/l	97
22) Diisopropyl ether	6.31	45	213303	20.629	ug/l	98
23) Vinyl Acetate	6.25	43	637356	98.100	ug/l	99
24) 1,1-Dichloroethane	6.21	63	114248	20.631	ug/l	100
25) 2-Butanone	7.17	43	101672	85.918	ug/l	99
26) 2,2-Dichloropropane	7.17	77	68648	20.157	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	63366	20.711	ug/l	98
28) Bromochloromethane	7.51	49	53680	21.839	ug/l	100
29) Tetrahydrofuran	7.52	42	63793	94.310	ug/l	97
30) Chloroform	7.68	83	105391	20.629	ug/l	99
31) Cyclohexane	7.95	56	113928	21.433	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	84442	21.703	ug/l	99
36) 1,1-Dichloropropene	8.08	75	90756	22.044	ug/l	99
37) Ethyl Acetate	7.25	43	45508	19.212	ug/l	97
38) Carbon Tetrachloride	8.07	117	77248	21.917	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	101302	22.346	ug/l	98
40) Benzene	8.32	78	245655	21.302	ug/l	100
41) Methacrylonitrile	7.48	41	27045	19.101	ug/l	96
42) 1,2-Dichloroethane	8.40	62	72999	20.218	ug/l	98
43) Isopropyl Acetate	8.42	43	84921	19.494	ug/l	99
44) Trichloroethene	9.09	130	60015	21.652	ug/l	98
45) 1,2-Dichloropropane	9.37	63	64182	20.800	ug/l	97
46) Dibromomethane	9.46	93	28893	20.516	ug/l	98
47) Bromodichloromethane	9.64	83	76278	20.648	ug/l	99
48) Methyl methacrylate	9.43	41	39824	19.031	ug/l	95
49) 1,4-Dioxane	9.45	88	8634	423.402	ug/l	94
51) 4-Methyl-2-Pentanone	10.21	43	220593	97.355	ug/l	100
52) Toluene	10.38	92	149746	21.502	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	78949	20.458	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	95907	20.902	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	40222	20.129	ug/l	95
56) Ethyl methacrylate	10.65	69	58843	20.124	ug/l	98
57) 1,3-Dichloropropane	10.93	76	77156	20.409	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	145035	109.243	ug/l	100
59) 2-Hexanone	10.97	43	154291	96.441	ug/l	99
60) Dibromochloromethane	11.13	129	44483	20.055	ug/l	98
61) 1,2-Dibromoethane	11.24	107	38313	20.261	ug/l	100
64) Tetrachloroethene	10.86	164	49031	22.200	ug/l	95
65) Chlorobenzene	11.66	112	148654	21.798	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	51472	21.668	ug/l	99
67) Ethyl Benzene	11.73	91	287042	22.100	ug/l	100
68) m/p-Xylenes	11.84	106	210221	44.506	ug/l	98
69) o-Xylene	12.16	106	96869	22.069	ug/l	100
70) Styrene	12.18	104	166949	21.998	ug/l	99
71) Bromoform	12.35	173	25648	21.177	ug/l #	99
73) Isopropylbenzene	12.46	105	272982	21.998	ug/l	100
74) N-amyl acetate	12.27	43	80989	20.847	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	48016	20.571	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	40396m	22.952	ug/l	
77) Bromobenzene	12.75	156	58303	21.257	ug/l	100
78) n-propylbenzene	12.80	91	333593	22.089	ug/l	100
79) 2-Chlorotoluene	12.89	91	187685	21.572	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	226772	21.801	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	15977	20.921	ug/l	98
82) 4-Chlorotoluene	12.99	91	195244	21.389	ug/l	99
83) tert-Butylbenzene	13.21	119	193929	22.294	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	230254	21.974	ug/l	100
85) sec-Butylbenzene	13.38	105	278432	22.433	ug/l	100
86) p-Isopropyltoluene	13.50	119	252575	22.428	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	114254	21.245	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	115115	21.517	ug/l	99
89) n-Butylbenzene	13.82	91	248941	22.151	ug/l	99
90) Hexachloroethane	14.09	117	44035	22.113	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	101959	21.435	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8215	20.639	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	72650	21.672	ug/l	99
94) Hexachlorobutadiene	15.24	225	48455	23.178	ug/l	99
95) Naphthalene	15.37	128	122177	19.903	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	61807	21.034	ug/l	99

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

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