

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082019\
 Data File : VW012020.D
 Acq On : 20 Aug 2019 10:16
 Operator : SY/VA
 Sample : VW0820SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0820SBS01

Manual Integrations
 APPROVED

MMDadoda
 8/21/2019 8:28:47 AM

Quant Time: Aug 20 12:51:07 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	276912	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	441228	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	379189	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	181915	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	156743	49.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.58%	
35) Dibromofluoromethane	7.88	113	129119	52.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.32%	
50) Toluene-d8	10.32	98	533813	52.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.34%	
62) 4-Bromofluorobenzene	12.62	95	186359	51.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	35303	22.875	ug/l	98
3) Chloromethane	2.21	50	53926	20.151	ug/l	97
4) Vinyl Chloride	2.36	62	67673	21.005	ug/l	99
5) Bromomethane	2.77	94	30167	16.916	ug/l	99
6) Chloroethane	2.89	64	30348	16.490	ug/l	98
7) Trichlorofluoromethane	3.23	101	32765	22.756	ug/l	99
8) Diethyl Ether	3.67	74	31961	19.578	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.05	101	56942	20.847	ug/l	99
10) Methyl Iodide	4.26	142	76221	19.747	ug/l	99
11) Tert butyl alcohol	5.22	59	19364	69.655	ug/l #	91
12) 1,1-Dichloroethene	4.03	96	57688	20.003	ug/l	98
13) Acrolein	3.89	56	13356	58.539	ug/l	99
14) Allyl chloride	4.65	41	122724	20.008	ug/l	99
15) Acrylonitrile	5.37	53	79026	96.971	ug/l	98
16) Acetone	4.14	43	77985	77.101	ug/l	100
17) Carbon Disulfide	4.37	76	157459	17.445	ug/l	99
18) Methyl Acetate	4.67	43	43223	19.022	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	99091	21.652	ug/l	99
20) Methylene Chloride	4.90	84	64944	18.618	ug/l	93
21) trans-1,2-Dichloroethene	5.41	96	62692	20.163	ug/l	95
22) Diisopropyl ether	6.31	45	237115	20.504	ug/l	96
23) Vinyl Acetate	6.25	43	709381	97.622	ug/l	100
24) 1,1-Dichloroethane	6.21	63	123989	20.019	ug/l	99
25) 2-Butanone	7.17	43	113449	85.717	ug/l	100
26) 2,2-Dichloropropane	7.17	77	68976	18.109	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	68621	20.053	ug/l	97
28) Bromochloromethane	7.51	49	58448	21.261	ug/l #	99
29) Tetrahydrofuran	7.53	42	73674	97.383	ug/l	98
30) Chloroform	7.67	83	113379	19.842	ug/l	100
31) Cyclohexane	7.95	56	123055	20.698	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	90009	20.684	ug/l	99
36) 1,1-Dichloropropene	8.08	75	98393	21.446	ug/l	99
37) Ethyl Acetate	7.25	43	50950	19.302	ug/l	98
38) Carbon Tetrachloride	8.06	117	81669	20.794	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	110011	21.776	ug/l	99
40) Benzene	8.32	78	265258	20.641	ug/l	99
41) Methacrylonitrile	7.48	41	29917	18.960	ug/l	97
42) 1,2-Dichloroethane	8.40	62	80792	20.080	ug/l	100
43) Isopropyl Acetate	8.43	43	95186	19.608	ug/l	100
44) Trichloroethene	9.09	130	64411	20.853	ug/l	96
45) 1,2-Dichloropropane	9.37	63	71024	20.655	ug/l	98
46) Dibromomethane	9.46	93	31523	20.086	ug/l	99
47) Bromodichloromethane	9.64	83	80701	19.603	ug/l	98
48) Methyl methacrylate	9.43	41	45455	19.493	ug/l	95
49) 1,4-Dioxane	9.47	88	8470	372.732	ug/l #	76
51) 4-Methyl-2-Pentanone	10.21	43	247462	98.005	ug/l	100
52) Toluene	10.38	92	161025	20.749	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	84100	19.556	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	101815	19.912	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	44728	20.087	ug/l	99
56) Ethyl methacrylate	10.65	69	65306	20.042	ug/l	99
57) 1,3-Dichloropropane	10.93	76	84389	20.032	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	185301	125.248	ug/l	100
59) 2-Hexanone	10.97	43	173209	97.155	ug/l	98
60) Dibromochloromethane	11.13	129	48001	19.420	ug/l	100
61) 1,2-Dibromoethane	11.24	107	41920	19.893	ug/l	99
64) Tetrachloroethene	10.86	164	53224	21.557	ug/l	96
65) Chlorobenzene	11.66	112	160639	21.072	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	53960	20.321	ug/l	98
67) Ethyl Benzene	11.73	91	311904	21.482	ug/l	100
68) m/p-Xylenes	11.84	106	226579	42.911	ug/l	99
69) o-Xylene	12.16	106	104616	21.321	ug/l	98
70) Styrene	12.18	104	179191	21.122	ug/l	99
71) Bromoform	12.35	173	26503	19.575	ug/l #	97
73) Isopropylbenzene	12.46	105	296274	21.831	ug/l	100
74) N-amyl acetate	12.27	43	85136	20.037	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	53036	20.776	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	37051m	19.249	ug/l	
77) Bromobenzene	12.74	156	62714	20.907	ug/l	99
78) n-propylbenzene	12.80	91	362192	21.929	ug/l	99
79) 2-Chlorotoluene	12.89	91	204699	21.513	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	248148	21.813	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	16015	19.175	ug/l	94
82) 4-Chlorotoluene	12.99	91	213165	21.352	ug/l	100
83) tert-Butylbenzene	13.21	119	212322	22.319	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	244394	21.326	ug/l	99
85) sec-Butylbenzene	13.38	105	303586	22.365	ug/l	99
86) p-Isopropyltoluene	13.50	119	268820	21.827	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	124509	21.169	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	122374	20.915	ug/l	99
89) n-Butylbenzene	13.82	91	267386	21.755	ug/l	99
90) Hexachloroethane	14.09	117	44472	20.420	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	108141	20.788	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8697	19.979	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	76592	20.891	ug/l	99
94) Hexachlorobutadiene	15.24	225	51575	22.558	ug/l	98
95) Naphthalene	15.37	128	133432	19.878	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	67505	21.005	ug/l	99

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

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