

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082819\
 Data File : VW012245.D
 Acq On : 28 Aug 2019 11:22
 Operator : SY/VA
 Sample : VW0828SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0828SBS01

Manual Integrations
 APPROVED

MMDadoda
 8/29/2019 9:41:56 AM

Quant Time: Aug 28 17:35:35 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	260310	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	407661	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	352345	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	171889	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	140443	45.39	ug/l	0.00
Spiked Amount			Recovery	=	90.78%	
35) Dibromofluoromethane	7.88	113	116729	47.97	ug/l	0.00
Spiked Amount			Recovery	=	95.94%	
50) Toluene-d8	10.32	98	483517	49.01	ug/l	0.00
Spiked Amount			Recovery	=	98.02%	
62) 4-Bromofluorobenzene	12.62	95	170132	48.92	ug/l	0.00
Spiked Amount			Recovery	=	97.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	26924	16.798	ug/l	96
3) Chloromethane	2.21	50	47694	19.206	ug/l	100
4) Vinyl Chloride	2.36	62	56974	18.745	ug/l	100
5) Bromomethane	2.71	94	21677	14.083	ug/l	94
6) Chloroethane	2.87	64	32310	18.844	ug/l	95
7) Trichlorofluoromethane	3.23	101	30753	20.151	ug/l	99
8) Diethyl Ether	3.67	74	26619	18.375	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.05	101	48519	18.703	ug/l	98
10) Methyl Iodide	4.26	142	64501	18.376	ug/l	99
11) Tert butyl alcohol	5.17	59	24357	130.795	ug/l #	82
12) 1,1-Dichloroethene	4.03	96	49240	18.858	ug/l	95
13) Acrolein	3.88	56	15794	90.100	ug/l	99
14) Allyl chloride	4.65	41	106085	19.005	ug/l	98
15) Acrylonitrile	5.35	53	69640	96.988	ug/l	99
16) Acetone	4.11	43	70885	89.614	ug/l	99
17) Carbon Disulfide	4.37	76	123374	15.635	ug/l	100
18) Methyl Acetate	4.66	43	38858	19.834	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	85088	20.151	ug/l	100
20) Methylene Chloride	4.90	84	58478	19.556	ug/l	98
21) trans-1,2-Dichloroethene	5.41	96	51770	18.490	ug/l	98
22) Diisopropyl ether	6.31	45	205537	19.865	ug/l	96
23) Vinyl Acetate	6.24	43	600669	94.333	ug/l	99
24) 1,1-Dichloroethane	6.21	63	107398	19.064	ug/l	99
25) 2-Butanone	7.17	43	100842	93.816	ug/l	99
26) 2,2-Dichloropropane	7.16	77	63125	19.796	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	58430	19.532	ug/l	100
28) Bromochloromethane	7.51	49	48335	19.685	ug/l	97
29) Tetrahydrofuran	7.52	42	63604	98.628	ug/l	99
30) Chloroform	7.67	83	98488	19.108	ug/l	98
31) Cyclohexane	7.95	56	102574	18.403	ug/l #	93
32) 1,1,1-Trichloroethane	7.87	97	78351	19.216	ug/l	99
36) 1,1-Dichloropropene	8.07	75	80499	19.109	ug/l	98
37) Ethyl Acetate	7.25	43	44435	19.248	ug/l	100
38) Carbon Tetrachloride	8.06	117	69466	19.052	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	90872	19.201	ug/l	98
40) Benzene	8.32	78	225347	19.590	ug/l	100
41) Methacrylonitrile	7.48	41	29272	21.575	ug/l	94
42) 1,2-Dichloroethane	8.40	62	70143	19.456	ug/l	98
43) Isopropyl Acetate	8.42	43	82475	19.288	ug/l	98
44) Trichloroethene	9.09	130	54765	19.584	ug/l	97
45) 1,2-Dichloropropane	9.37	63	60672	19.598	ug/l	98
46) Dibromomethane	9.46	93	26299	19.093	ug/l	98
47) Bromodichloromethane	9.64	83	69382	18.926	ug/l	98
48) Methyl methacrylate	9.43	41	39120	19.222	ug/l	95
49) 1,4-Dioxane	9.45	88	8081	383.225	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	215995	99.311	ug/l	99
52) Toluene	10.38	92	137806	19.942	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	72698	19.468	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	86929	19.280	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	39719	20.381	ug/l	98
56) Ethyl methacrylate	10.65	69	56634	19.967	ug/l	98
57) 1,3-Dichloropropane	10.93	76	73050	19.835	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	137632	94.546	ug/l	100
59) 2-Hexanone	10.97	43	152638	99.186	ug/l	99
60) Dibromochloromethane	11.13	129	42100	19.395	ug/l	100
61) 1,2-Dibromoethane	11.23	107	35745	19.687	ug/l	99
64) Tetrachloroethene	10.86	164	44811	19.616	ug/l	98
65) Chlorobenzene	11.66	112	137088	19.759	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	47334	19.556	ug/l	97
67) Ethyl Benzene	11.73	91	270344	20.228	ug/l	98
68) m/p-Xylenes	11.84	106	194386	40.378	ug/l	99
69) o-Xylene	12.16	106	90522	20.316	ug/l	99
70) Styrene	12.18	104	155973	20.224	ug/l	99
71) Bromoform	12.35	173	22901	18.991	ug/l #	99
73) Isopropylbenzene	12.46	105	261069	20.270	ug/l	100
74) N-amyl acetate	12.27	43	77000	19.787	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	45207	19.145	ug/l	96
76) 1,2,3-Trichloropropane	12.77	75	38080m	22.747	ug/l	
77) Bromobenzene	12.74	156	56165	20.157	ug/l	95
78) n-propylbenzene	12.80	91	316176	20.108	ug/l	98
79) 2-Chlorotoluene	12.89	91	177576	19.892	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	218926	20.342	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	14311	18.743	ug/l	97
82) 4-Chlorotoluene	12.99	91	186267	19.927	ug/l	100
83) tert-Butylbenzene	13.21	119	190070	20.849	ug/l	97
84) 1,2,4-Trimethylbenzene	13.25	105	216407	20.017	ug/l	100
85) sec-Butylbenzene	13.38	105	267474	20.478	ug/l	100
86) p-Isopropyltoluene	13.50	119	241588	20.712	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	106996	19.632	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	106502	19.680	ug/l	98
89) n-Butylbenzene	13.82	91	239459	20.644	ug/l	100
90) Hexachloroethane	14.09	117	39331	19.219	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	94696	19.806	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	7649	19.215	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	69361	20.992	ug/l	99
94) Hexachlorobutadiene	15.24	225	45413	20.815	ug/l	99
95) Naphthalene	15.36	128	126373	22.128	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	59978	20.806	ug/l	98

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

