

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021519\
 Data File : VW008702.D
 Acq On : 16 Feb 2019 00:49
 Operator : SY/VA
 Sample : VW0215SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0215SBS02

Manual Integrations
 APPROVED

MMDadoda
 2/18/2019 2:34:48 PM

Quant Time: Feb 16 03:20:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 04:06:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	308670	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	502996	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	469305	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	246429	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	169020	52.67	ug/l	0.00
Spiked Amount						
			Recovery	=	105.34%	
35) Dibromofluoromethane	7.88	113	151382	48.47	ug/l	0.00
Spiked Amount						
			Recovery	=	96.94%	
50) Toluene-d8	10.32	98	553700	45.99	ug/l	0.00
Spiked Amount						
			Recovery	=	91.98%	
62) 4-Bromofluorobenzene	12.62	95	208512	45.98	ug/l	0.00
Spiked Amount						
			Recovery	=	91.96%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	35752	18.084	ug/l	97
3) Chloromethane	2.21	50	51172	17.955	ug/l	98
4) Vinyl Chloride	2.37	62	63552	16.976	ug/l	100
5) Bromomethane	2.78	94	59647	20.135	ug/l	100
6) Chloroethane	2.92	64	54535	19.577	ug/l	98
7) Trichlorofluoromethane	3.25	101	42105	14.440	ug/l	98
8) Diethyl Ether	3.68	74	39021	22.426	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.04	101	58695	19.048	ug/l	97
10) Methyl Iodide	4.26	142	102668	21.348	ug/l	98
11) Tert butyl alcohol	5.17	59	28103	109.455	ug/l #	94
12) 1,1-Dichloroethene	4.03	96	55931	18.561	ug/l	87
13) Acrolein	3.89	56	25013	94.556	ug/l	96
14) Allyl chloride	4.66	41	98590	19.692	ug/l	100
15) Acrylonitrile	5.37	53	83696	114.279	ug/l	100
16) Acetone	4.12	43	69994	95.851	ug/l	100
17) Carbon Disulfide	4.38	76	164410	18.079	ug/l	100
18) Methyl Acetate	4.66	43	36279	21.741	ug/l	97
19) Methyl tert-butyl Ether	5.42	73	118357	22.374	ug/l	94
20) Methylene Chloride	4.91	84	75967	19.147	ug/l	89
21) trans-1,2-Dichloroethene	5.41	96	67997	20.604	ug/l	97
22) Diisopropyl ether	6.31	45	219857	21.819	ug/l	98
23) Vinyl Acetate	6.25	43	673583	102.995	ug/l	99
24) 1,1-Dichloroethane	6.21	63	123722	21.278	ug/l	98
25) 2-Butanone	7.17	43	109936	106.616	ug/l	99
26) 2,2-Dichloropropane	7.16	77	63866	17.582	ug/l	97
27) cis-1,2-Dichloroethene	7.16	96	74938	21.000	ug/l	97
28) Bromochloromethane	7.51	49	53971	21.988	ug/l	96
29) Tetrahydrofuran	7.52	42	75697	111.378	ug/l	99
30) Chloroform	7.67	83	127956	21.962	ug/l	96
31) Cyclohexane	7.95	56	104208	17.756	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	99616	20.245	ug/l	99
36) 1,1-Dichloropropene	8.07	75	93498	18.502	ug/l	99
37) Ethyl Acetate	7.25	43	51591	21.164	ug/l	100
38) Carbon Tetrachloride	8.06	117	90686	18.047	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	107125	16.760	ug/l	95
40) Benzene	8.32	78	270763	19.618	ug/l	100
41) Methacrylonitrile	7.48	41	30498	22.236	ug/l	96
42) 1,2-Dichloroethane	8.40	62	90995	21.256	ug/l	98
43) Isopropyl Acetate	8.42	43	97079	19.972	ug/l	96
44) Trichloroethene	9.09	130	74320	19.421	ug/l	95
45) 1,2-Dichloropropane	9.37	63	69892	20.462	ug/l	94
46) Dibromomethane	9.46	93	40420	21.482	ug/l	97
47) Bromodichloromethane	9.64	83	91505	20.236	ug/l	97
48) Methyl methacrylate	9.43	41	45108	20.024	ug/l	94
49) 1,4-Dioxane	9.45	88	13503	449.592	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	258501	103.526	ug/l	99
52) Toluene	10.38	92	174574	19.607	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	86514	18.212	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	102869	19.103	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	55793	21.611	ug/l	98
56) Ethyl methacrylate	10.65	69	70647	20.608	ug/l	98
57) 1,3-Dichloropropane	10.93	76	97693	21.327	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	191275	116.312	ug/l	100
59) 2-Hexanone	10.97	43	174875	99.694	ug/l	100
60) Dibromochloromethane	11.13	129	62090	20.100	ug/l	97
61) 1,2-Dibromoethane	11.23	107	53762	21.150	ug/l	98
64) Tetrachloroethene	10.86	164	70503	20.202	ug/l	96
65) Chlorobenzene	11.66	112	195352	19.313	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	68469	19.108	ug/l	98
67) Ethyl Benzene	11.73	91	331756	18.412	ug/l	97
68) m/p-Xylenes	11.84	106	256693	36.614	ug/l	100
69) o-Xylene	12.16	106	121642	18.356	ug/l	98
70) Styrene	12.18	104	202708	18.728	ug/l	99
71) Bromoform	12.35	173	36838	19.080	ug/l #	97
73) Isopropylbenzene	12.46	105	328806	17.913	ug/l	100
74) N-amyl acetate	12.27	43	92531	18.641	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	64612	20.231	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	47094m	19.353	ug/l	
77) Bromobenzene	12.75	156	83843	19.870	ug/l	97
78) n-propylbenzene	12.80	91	390098	17.886	ug/l	99
79) 2-Chlorotoluene	12.90	91	233104	18.911	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	280699	18.410	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	16486	16.705	ug/l	94
82) 4-Chlorotoluene	12.99	91	240072	18.378	ug/l	99
83) tert-Butylbenzene	13.21	119	241994	18.279	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	291116	18.577	ug/l	99
85) sec-Butylbenzene	13.38	105	341283	17.704	ug/l	100
86) p-Isopropyltoluene	13.50	119	308810	17.907	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	163687	19.136	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	163949	19.448	ug/l	98
89) n-Butylbenzene	13.83	91	276197	16.854	ug/l	99
90) Hexachloroethane	14.10	117	53299	17.690	ug/l	95
91) 1,2-Dichlorobenzene	13.87	146	148939	19.653	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	10050	18.109	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	105387	19.535	ug/l	99
94) Hexachlorobutadiene	15.24	225	59664	19.000	ug/l	97
95) Naphthalene	15.37	128	196458	20.321	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	95659	20.664	ug/l	99

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

