

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011419\
 Data File : VW008241.D
 Acq On : 14 Jan 2019 12:38
 Operator : SY/VA
 Sample : VW0114SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0114SBSD01

Manual Integrations
 APPROVED

apatel
 1/15/2019 2:08:41 PM

Quant Time: Jan 14 21:28:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 09 04:40:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	107547	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	176219	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	160501	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	82131	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	48326	39.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.96%	
35) Dibromofluoromethane	7.88	113	48814	47.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.98%	
50) Toluene-d8	10.32	98	195276	45.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.56%	
62) 4-Bromofluorobenzene	12.62	95	67761	43.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.64%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.01	85	14076	16.037	ug/l	100
3) Chloromethane	2.21	50	19702	17.302	ug/l	94
4) Vinyl Chloride	2.36	62	26362	17.738	ug/l	96
5) Bromomethane	2.78	94	22261	19.995	ug/l	93
6) Chloroethane	2.92	64	18717	16.736	ug/l	93
7) Trichlorofluoromethane	3.26	101	22529	18.646	ug/l	98
8) Diethyl Ether	3.68	74	12904	18.892	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.06	101	23536	19.620	ug/l	98
10) Methyl Iodide	4.26	142	35421	20.260	ug/l	99
11) Tert butyl alcohol	5.21	59	6838m	73.099	ug/l	
12) 1,1-Dichloroethene	4.03	96	23699	20.122	ug/l	92
13) Acrolein	3.90	56	6286	77.079	ug/l #	82
14) Allyl chloride	4.66	41	39224	18.343	ug/l	97
15) Acrylonitrile	5.37	53	24599	94.594	ug/l	98
16) Acetone	4.14	43	25869	106.963	ug/l	91
17) Carbon Disulfide	4.37	76	68673	18.665	ug/l	98
18) Methyl Acetate	4.67	43	14125	18.489	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	34530	18.034	ug/l	96
20) Methylene Chloride	4.91	84	26287	19.119	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	24923	19.473	ug/l	94
22) Diisopropyl ether	6.32	45	74500	18.268	ug/l	98
23) Vinyl Acetate	6.26	43	195579	91.313	ug/l	98
24) 1,1-Dichloroethane	6.21	63	44503	18.729	ug/l	96
25) 2-Butanone	7.18	43	31727	94.339	ug/l	99
26) 2,2-Dichloropropane	7.16	77	31189	19.372	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	27080	19.392	ug/l	95
28) Bromochloromethane	7.51	49	17426	18.541	ug/l	93
29) Tetrahydrofuran	7.54	42	20704	92.161	ug/l	98
30) Chloroform	7.68	83	44569	19.705	ug/l	97
31) Cyclohexane	7.95	56	44172	17.365	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	38534	19.580	ug/l	97
36) 1,1-Dichloropropene	8.09	75	36700	20.218	ug/l	98
37) Ethyl Acetate	7.25	43	13728	18.877	ug/l #	93
38) Carbon Tetrachloride	8.07	117	35848	21.576	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	44664	19.405	ug/l	91
40) Benzene	8.32	78	101444	20.604	ug/l	100
41) Methacrylonitrile	7.48	41	8698	18.934	ug/l	96
42) 1,2-Dichloroethane	8.40	62	27554	19.898	ug/l	98
43) Isopropyl Acetate	8.43	43	27515	18.923	ug/l	99
44) Trichloroethene	9.09	130	27336	21.689	ug/l	98
45) 1,2-Dichloropropane	9.37	63	25369	20.781	ug/l	97
46) Dibromomethane	9.46	93	12825	21.391	ug/l	96
47) Bromodichloromethane	9.65	83	32607	21.419	ug/l	97
48) Methyl methacrylate	9.44	41	12575	18.328	ug/l	90
49) 1,4-Dioxane	9.48	88	3504	363.421	ug/l #	97
51) 4-Methyl-2-Pentanone	10.21	43	67089	95.320	ug/l	98
52) Toluene	10.39	92	66427	21.126	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	32086	20.262	ug/l	91
54) cis-1,3-Dichloropropene	10.07	75	36843	19.621	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	18037	21.428	ug/l	98
56) Ethyl methacrylate	10.65	69	20584	19.746	ug/l	95
57) 1,3-Dichloropropane	10.93	76	30891	20.066	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	53655	99.643	ug/l	98
59) 2-Hexanone	10.97	43	47450	99.693	ug/l	99
60) Dibromochloromethane	11.13	129	20711	22.406	ug/l	100
61) 1,2-Dibromoethane	11.23	107	16612	20.799	ug/l	99
64) Tetrachloroethene	10.87	164	23056	22.073	ug/l	90
65) Chlorobenzene	11.66	112	71166	20.929	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	23494	21.243	ug/l	95
67) Ethyl Benzene	11.73	91	125239	20.129	ug/l	97
68) m/p-Xylenes	11.84	106	97372	41.003	ug/l	98
69) o-Xylene	12.17	106	44540	20.254	ug/l	99
70) Styrene	12.18	104	72485	21.044	ug/l	97
71) Bromoform	12.35	173	11286	22.801	ug/l #	95
73) Isopropylbenzene	12.47	105	125687	19.492	ug/l	99
74) N-amyl acetate	12.27	43	25630	17.949	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	19930	19.310	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	14328m	19.137	ug/l	
77) Bromobenzene	12.75	156	28553	20.957	ug/l	88
78) n-propylbenzene	12.81	91	153072	19.375	ug/l	97
79) 2-Chlorotoluene	12.90	91	84742	19.225	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	104697	19.759	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	6103	18.982	ug/l	97
82) 4-Chlorotoluene	12.99	91	89551	19.290	ug/l	97
83) tert-Butylbenzene	13.21	119	92151	19.658	ug/l	96
84) 1,2,4-Trimethylbenzene	13.26	105	106999	19.579	ug/l	99
85) sec-Butylbenzene	13.39	105	131717	19.182	ug/l	98
86) p-Isopropyltoluene	13.50	119	117173	19.760	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	58332	21.106	ug/l	96
88) 1,4-Dichlorobenzene	13.58	146	57795	20.843	ug/l	99
89) n-Butylbenzene	13.83	91	112735	19.411	ug/l	99
90) Hexachloroethane	14.10	117	21454	21.420	ug/l	95
91) 1,2-Dichlorobenzene	13.87	146	50629	20.844	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	3512	21.144	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	34159	21.182	ug/l	97
94) Hexachlorobutadiene	15.24	225	19989	23.158	ug/l	98
95) Naphthalene	15.37	128	57742	19.176	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	29953	21.788	ug/l	97

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

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