

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW012519\
 Data File : VW008408.D
 Acq On : 25 Jan 2019 13:55
 Operator : SY/VA
 Sample : VW0125SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0125SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/28/2019 12:45:52 PM

Quant Time: Jan 28 02:05:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 25 11:07:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	519862	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	799562	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	714446	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	371501	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	253088	49.56	ug/l	0.00
Spiked Amount			Recovery	=	99.12%	
35) Dibromofluoromethane	7.88	113	239266	51.18	ug/l	0.00
Spiked Amount			Recovery	=	102.36%	
50) Toluene-d8	10.32	98	953760	50.87	ug/l	0.00
Spiked Amount			Recovery	=	101.74%	
62) 4-Bromofluorobenzene	12.62	95	354750	49.23	ug/l	0.00
Spiked Amount			Recovery	=	98.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	47539	18.047	ug/l	98
3) Chloromethane	2.21	50	70581	16.633	ug/l	95
4) Vinyl Chloride	2.36	62	97028	17.962	ug/l	98
5) Bromomethane	2.78	94	68144	19.558	ug/l	98
6) Chloroethane	2.92	64	60548	18.328	ug/l	99
7) Trichlorofluoromethane	3.26	101	73966	18.980	ug/l	96
8) Diethyl Ether	3.67	74	49129	18.950	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	86539	18.405	ug/l	98
10) Methyl Iodide	4.26	142	138155	18.602	ug/l	99
11) Tert butyl alcohol	5.17	59	41073	99.889	ug/l	95
12) 1,1-Dichloroethene	4.03	96	85924	18.057	ug/l	94
13) Acrolein	3.89	56	41367	116.303	ug/l	99
14) Allyl chloride	4.66	41	156299	17.298	ug/l	99
15) Acrylonitrile	5.36	53	104748	93.568	ug/l	97
16) Acetone	4.12	43	107125	93.405	ug/l	98
17) Carbon Disulfide	4.37	76	267369	17.593	ug/l	97
18) Methyl Acetate	4.67	43	54162	17.706	ug/l	96
19) Methyl tert-butyl Ether	5.43	73	150203	19.078	ug/l	100
20) Methylene Chloride	4.90	84	97860	18.513	ug/l	93
21) trans-1,2-Dichloroethene	5.42	96	96743	18.084	ug/l	96
22) Diisopropyl ether	6.31	45	296213	17.297	ug/l	94
23) Vinyl Acetate	6.25	43	902900	89.291	ug/l	100
24) 1,1-Dichloroethane	6.21	63	173034	17.851	ug/l	98
25) 2-Butanone	7.17	43	148967	93.513	ug/l	98
26) 2,2-Dichloropropane	7.16	77	121756	18.583	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	106777	18.314	ug/l	98
28) Bromochloromethane	7.51	49	81207	18.240	ug/l	97
29) Tetrahydrofuran	7.53	42	91095	90.239	ug/l	97
30) Chloroform	7.67	83	169922	17.822	ug/l	97
31) Cyclohexane	7.95	56	174709	17.431	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	150585	18.286	ug/l	98
36) 1,1-Dichloropropene	8.08	75	140710	18.630	ug/l	98
37) Ethyl Acetate	7.25	43	65595	19.630	ug/l	96
38) Carbon Tetrachloride	8.07	117	147779	19.444	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	183705	18.515	ug/l	99
40) Benzene	8.32	78	387458	18.487	ug/l	100
41) Methacrylonitrile	7.48	41	37906	19.158	ug/l	99
42) 1,2-Dichloroethane	8.40	62	112379	18.503	ug/l	99
43) Isopropyl Acetate	8.42	43	130930	18.860	ug/l	98
44) Trichloroethene	9.09	130	108894	19.107	ug/l	98
45) 1,2-Dichloropropane	9.37	63	96872	18.538	ug/l	95
46) Dibromomethane	9.46	93	50231	18.689	ug/l	97
47) Bromodichloromethane	9.65	83	130425	18.346	ug/l	98
48) Methyl methacrylate	9.44	41	61465	18.107	ug/l	97
49) 1,4-Dioxane	9.45	88	16026	352.756	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	320571	93.470	ug/l	99
52) Toluene	10.38	92	250169	18.083	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	141122	18.656	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	160065	18.646	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	70576	18.931	ug/l	98
56) Ethyl methacrylate	10.65	69	97743	18.711	ug/l	97
57) 1,3-Dichloropropane	10.93	76	124847	18.693	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	244537	96.347	ug/l	98
59) 2-Hexanone	10.97	43	234964	97.045	ug/l	98
60) Dibromochloromethane	11.13	129	91977	19.199	ug/l	97
61) 1,2-Dibromoethane	11.23	107	70267	19.009	ug/l	98
64) Tetrachloroethene	10.86	164	89181	18.436	ug/l	95
65) Chlorobenzene	11.66	112	270356	18.537	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	98917	18.957	ug/l	100
67) Ethyl Benzene	11.73	91	491664	18.340	ug/l	97
68) m/p-Xylenes	11.84	106	381902	36.716	ug/l	97
69) o-Xylene	12.16	106	182603	18.476	ug/l	97
70) Styrene	12.18	104	296615	18.170	ug/l	98
71) Bromoform	12.35	173	55294	18.834	ug/l #	100
73) Isopropylbenzene	12.46	105	497589	17.966	ug/l	99
74) N-amyl acetate	12.27	43	129866	18.201	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	82389	18.790	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	59930m	18.555	ug/l	
77) Bromobenzene	12.75	156	112871	18.661	ug/l	97
78) n-propylbenzene	12.80	91	592518	17.812	ug/l	99
79) 2-Chlorotoluene	12.90	91	335833	17.891	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	415086	17.931	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	30066	18.385	ug/l	97
82) 4-Chlorotoluene	12.99	91	351248	17.575	ug/l	98
83) tert-Butylbenzene	13.21	119	366955	17.813	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	424728	18.051	ug/l	100
85) sec-Butylbenzene	13.38	105	528508	17.964	ug/l	98
86) p-Isopropyltoluene	13.50	119	471423	18.293	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	221988	18.173	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	225827	18.602	ug/l	100
89) n-Butylbenzene	13.83	91	452736	17.893	ug/l	99
90) Hexachloroethane	14.10	117	91212	18.099	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	199435	18.451	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	15549	18.689	ug/l	97

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	148456	19.247	ug/l	98
94) Hexachlorobutadiene	15.24	225	85845	18.468	ug/l	100
95) Naphthalene	15.37	128	259971	19.196	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	125500	19.181	ug/l	99

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

