

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010219\
 Data File : VW008005.D
 Acq On : 02 Jan 2019 13:19
 Operator : SY/AP
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 1/3/2019 10:55:15 AM

Quant Time: Jan 03 04:51:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010219S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 03 04:40:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	70199	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	109870	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	99889	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	50609	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	7541	9.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.42%	
35) Dibromofluoromethane	7.88	113	6926	10.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.00%	
50) Toluene-d8	10.33	98	26082	10.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.08%	
62) 4-Bromofluorobenzene	12.62	95	9842	9.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	5251	8.034	ug/l	91
3) Chloromethane	2.22	50	4468	9.349	ug/l	95
4) Vinyl Chloride	2.37	62	5959	9.654	ug/l	96
5) Bromomethane	2.78	94	3875	9.882	ug/l	99
6) Chloroethane	2.93	64	2966	9.402	ug/l	98
7) Trichlorofluoromethane	3.26	101	5617	9.066	ug/l	97
8) Diethyl Ether	3.68	74	3172	9.968	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.06	101	7042	9.564	ug/l	98
10) Methyl Iodide	4.27	142	11276	9.519	ug/l	99
11) Tert butyl alcohol	5.17	59	2450	48.569	ug/l #	73
12) 1,1-Dichloroethene	4.04	96	6740	9.563	ug/l	99
13) Acrolein	3.89	56	1713	50.120	ug/l	98
14) Allyl chloride	4.67	41	9168	9.602	ug/l	98
15) Acrylonitrile	5.37	53	5571	47.596	ug/l	97
16) Acetone	4.12	43	6133	51.027	ug/l	100
17) Carbon Disulfide	4.37	76	20338	9.447	ug/l	96
18) Methyl Acetate	4.68	43	2939	9.429	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	10653	9.605	ug/l	99
20) Methylene Chloride	4.92	84	8502	10.256	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	7434	9.695	ug/l	96
22) Diisopropyl ether	6.31	45	16537	9.649	ug/l	98
23) Vinyl Acetate	6.26	43	44740	46.659	ug/l	100
24) 1,1-Dichloroethane	6.21	63	12407	9.743	ug/l	98
25) 2-Butanone	7.17	43	6841	48.309	ug/l	100
26) 2,2-Dichloropropane	7.16	77	10871	10.362	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	7979	9.768	ug/l	98
28) Bromochloromethane	7.51	49	3806	9.299	ug/l #	98
29) Tetrahydrofuran	7.53	42	4136	47.021	ug/l	96
30) Chloroform	7.68	83	13596	9.527	ug/l	94
31) Cyclohexane	7.96	56	11818	9.958	ug/l #	93
32) 1,1,1-Trichloroethane	7.88	97	13157	9.635	ug/l	99
36) 1,1-Dichloropropene	8.08	75	10532	9.717	ug/l	96
37) Ethyl Acetate	7.26	43	3139	9.642	ug/l	97
38) Carbon Tetrachloride	8.07	117	12631	9.724	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	13050	9.660	ug/l	94
40) Benzene	8.32	78	27819	9.730	ug/l	94
41) Methacrylonitrile	7.49	41	1816	9.053	ug/l	92
42) 1,2-Dichloroethane	8.40	62	9013	9.461	ug/l	100
43) Isopropyl Acetate	8.43	43	6109	9.391	ug/l	97
44) Trichloroethene	9.09	130	8468	10.036	ug/l	95
45) 1,2-Dichloropropane	9.37	63	5964	9.637	ug/l	92
46) Dibromomethane	9.46	93	3559	9.836	ug/l	100
47) Bromodichloromethane	9.65	83	9922	9.790	ug/l	96
48) Methyl methacrylate	9.44	41	2934	8.946	ug/l	94
49) 1,4-Dioxane	9.45	88	893	166.770	ug/l	94
51) 4-Methyl-2-Pentanone	10.21	43	14669	48.717	ug/l	99
52) Toluene	10.39	92	18239	9.663	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	9248	9.490	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	10471	9.629	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	4752	9.700	ug/l #	89
56) Ethyl methacrylate	10.65	69	5009	9.044	ug/l	99
57) 1,3-Dichloropropane	10.93	76	8307	9.979	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	12559	47.814	ug/l	98
59) 2-Hexanone	10.97	43	10026	48.232	ug/l	96
60) Dibromochloromethane	11.13	129	6141	9.157	ug/l	100
61) 1,2-Dibromoethane	11.23	107	4733	9.654	ug/l	98
64) Tetrachloroethene	10.87	164	6620	9.594	ug/l	96
65) Chlorobenzene	11.66	112	21063	9.866	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	7518	9.725	ug/l	98
67) Ethyl Benzene	11.73	91	36201	9.554	ug/l	99
68) m/p-Xylenes	11.84	106	28638	19.549	ug/l	99
69) o-Xylene	12.17	106	13216	9.695	ug/l	99
70) Styrene	12.18	104	21210	9.546	ug/l	99
71) Bromoform	12.35	173	3365	9.395	ug/l #	97
73) Isopropylbenzene	12.47	105	38864	9.657	ug/l	99
74) N-amyl acetate	12.27	43	5704	9.106	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	5021	9.806	ug/l	96
76) 1,2,3-Trichloropropane	12.77	75	3208m	4.551	ug/l	
77) Bromobenzene	12.75	156	8186	9.464	ug/l	98
78) n-propylbenzene	12.81	91	44437	9.524	ug/l	100
79) 2-Chlorotoluene	12.90	91	25519	9.463	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	32806	9.471	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.52	75	1530	8.987	ug/l	93
82) 4-Chlorotoluene	12.99	91	27641	9.640	ug/l	98
83) tert-Butylbenzene	13.21	119	28662	9.457	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	33612	9.580	ug/l	98
85) sec-Butylbenzene	13.39	105	40174	9.636	ug/l	96
86) p-Isopropyltoluene	13.51	119	35750	9.507	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	17398	9.969	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	17129	9.913	ug/l	96
89) n-Butylbenzene	13.83	91	32831	9.545	ug/l	99
90) Hexachloroethane	14.10	117	6491	9.948	ug/l	95
91) 1,2-Dichlorobenzene	13.88	146	14886	9.706	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	1011	9.728	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	10588	9.830	ug/l	98
94) Hexachlorobutadiene	15.24	225	6059	9.742	ug/l	98
95) Naphthalene	15.38	128	16841	9.180	ug/l	98
96) 1,2,3-Trichlorobenzene	15.57	180	8089	9.127	ug/l	94

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

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