

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW121118\
 Data File : VW007371.D
 Acq On : 10 Dec 2018 23:14
 Operator : SY/AP
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 12/11/2018 4:55:28 PM

Quant Time: Dec 11 02:57:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 11 02:44:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	85803	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	146124	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	128985	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	62877	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	9690	10.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.36%	
35) Dibromofluoromethane	7.88	113	9228	10.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.86%	
50) Toluene-d8	10.32	98	34678	10.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.92%	
62) 4-Bromofluorobenzene	12.62	95	13327	10.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	6117	9.703	ug/l	90
3) Chloromethane	2.21	50	5161	10.277	ug/l	94
4) Vinyl Chloride	2.37	62	6512	11.050	ug/l	93
5) Bromomethane	2.78	94	4282	10.815	ug/l	98
6) Chloroethane	2.93	64	3328	10.259	ug/l	99
7) Trichlorofluoromethane	3.26	101	5229	9.870	ug/l	99
8) Diethyl Ether	3.67	74	4358	10.509	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	9066	10.370	ug/l	99
10) Methyl Iodide	4.26	142	14955	10.329	ug/l	97
11) Tert butyl alcohol	5.18	59	3294	50.385	ug/l	95
12) 1,1-Dichloroethene	4.03	96	8746	10.391	ug/l	97
13) Acrolein	3.88	56	2318	53.584	ug/l	100
14) Allyl chloride	4.66	41	13056	10.523	ug/l	100
15) Acrylonitrile	5.37	53	8436	48.258	ug/l	97
16) Acetone	4.12	43	7867	47.314	ug/l	98
17) Carbon Disulfide	4.37	76	26774	10.491	ug/l #	93
18) Methyl Acetate	4.67	43	4690	10.393	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	13448	10.591	ug/l	93
20) Methylene Chloride	4.92	84	12249	11.615	ug/l	91
21) trans-1,2-Dichloroethene	5.42	96	9770	10.376	ug/l	99
22) Diisopropyl ether	6.31	45	24271	10.177	ug/l	98
23) Vinyl Acetate	6.26	43	64281	48.191	ug/l	96
24) 1,1-Dichloroethane	6.21	63	16859	10.460	ug/l	97
25) 2-Butanone	7.18	43	10433	48.063	ug/l	95
26) 2,2-Dichloropropane	7.16	77	11409	10.696	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	10611	10.292	ug/l	96
28) Bromochloromethane	7.51	49	6267	10.337	ug/l	95
29) Tetrahydrofuran	7.54	42	6537	47.570	ug/l	99
30) Chloroform	7.68	83	18333	10.452	ug/l	98
31) Cyclohexane	7.95	56	16180	10.941	ug/l #	90
32) 1,1,1-Trichloroethane	7.87	97	15865	10.314	ug/l	98
36) 1,1-Dichloropropene	8.08	75	14123	10.595	ug/l	97
37) Ethyl Acetate	7.25	43	4771	9.623	ug/l #	94
38) Carbon Tetrachloride	8.07	117	14901	10.274	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	16586	10.276	ug/l	97
40) Benzene	8.32	78	38258	10.342	ug/l	100
41) Methacrylonitrile	7.48	41	2324	8.232	ug/l #	87
42) 1,2-Dichloroethane	8.40	62	11950	10.284	ug/l	97
43) Isopropyl Acetate	8.42	43	9482	9.682	ug/l	96
44) Trichloroethene	9.09	130	11028	10.440	ug/l	99
45) 1,2-Dichloropropane	9.37	63	8993	10.505	ug/l	99
46) Dibromomethane	9.46	93	5003	10.291	ug/l	94
47) Bromodichloromethane	9.65	83	12781	10.023	ug/l #	94
48) Methyl methacrylate	9.43	41	4546	9.038	ug/l	92
49) 1,4-Dioxane	9.45	88	1458	184.838	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	21305	46.042	ug/l	99
52) Toluene	10.39	92	24596	10.274	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	12250	9.895	ug/l	92
54) cis-1,3-Dichloropropene	10.07	75	14354	10.030	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	6733	10.176	ug/l	95
56) Ethyl methacrylate	10.65	69	7264	9.134	ug/l	95
57) 1,3-Dichloropropane	10.93	76	11144	10.262	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	15279	41.662	ug/l	98
59) 2-Hexanone	10.97	43	14846	48.115	ug/l	98
60) Dibromochloromethane	11.13	129	8251	9.882	ug/l	92
61) 1,2-Dibromoethane	11.24	107	6099	9.328	ug/l	97
64) Tetrachloroethene	10.86	164	9615	10.366	ug/l #	86
65) Chlorobenzene	11.66	112	25455	9.468	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	9254	9.773	ug/l	96
67) Ethyl Benzene	11.73	91	44353	9.596	ug/l #	89
68) m/p-Xylenes	11.84	106	35706	19.871	ug/l	94
69) o-Xylene	12.17	106	16284	9.703	ug/l	97
70) Styrene	12.18	104	26531	9.788	ug/l	97
71) Bromoform	12.35	173	4325	8.924	ug/l #	94
73) Isopropylbenzene	12.47	105	48794	10.128	ug/l	98
74) N-amyl acetate	12.27	43	7764	8.867	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	6436	9.019	ug/l	87
76) 1,2,3-Trichloropropane	12.77	75	4907m	9.465	ug/l	
77) Bromobenzene	12.75	156	10046	9.407	ug/l	89
78) n-propylbenzene	12.80	91	52241	9.635	ug/l	98
79) 2-Chlorotoluene	12.90	91	32114	9.789	ug/l	96
80) 1,3,5-Trimethylbenzene	12.94	105	40330	9.962	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	2108	8.982	ug/l	96
82) 4-Chlorotoluene	12.99	91	32813	9.488	ug/l	94
83) tert-Butylbenzene	13.21	119	34828	9.764	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	42595	10.225	ug/l	95
85) sec-Butylbenzene	13.39	105	49827	10.233	ug/l	93
86) p-Isopropyltoluene	13.50	119	44406	10.151	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	22144	10.400	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	21038	9.828	ug/l	95
89) n-Butylbenzene	13.83	91	40499	9.986	ug/l	98
90) Hexachloroethane	14.10	117	7817	10.043	ug/l	94
91) 1,2-Dichlorobenzene	13.87	146	18725	9.819	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	1414	9.874	ug/l	85

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	12706	9.681	ug/l	96
94) Hexachlorobutadiene	15.24	225	6933	9.956	ug/l	98
95) Naphthalene	15.38	128	22589	8.997	ug/l	98
96) 1,2,3-Trichlorobenzene	15.57	180	10616	9.312	ug/l	94

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

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