

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010819\
 Data File : VW008089.D
 Acq On : 08 Jan 2019 17:04
 Operator : SY/AP
 Sample : VSTDIC075
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC075

Manual Integrations
 APPROVED

MMDadoda
 1/9/2019 11:07:55 AM

Quant Time: Jan 09 03:58:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 09 03:11:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	92755	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	165517	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	151114	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	70551	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	73256	70.87	ug/l	0.00
Spiked Amount			Recovery	=	141.74%	
35) Dibromofluoromethane	7.88	113	66816	65.11	ug/l	0.00
Spiked Amount			Recovery	=	130.22%	
50) Toluene-d8	10.32	98	283648	72.03	ug/l	0.00
Spiked Amount			Recovery	=	144.06%	
62) 4-Bromofluorobenzene	12.62	95	98351	65.89	ug/l	0.00
Spiked Amount			Recovery	=	131.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	55614	67.893	ug/l	99
3) Chloromethane	2.21	50	70868	104.370	ug/l	98
4) Vinyl Chloride	2.37	62	91520	103.623	ug/l	95
5) Bromomethane	2.79	94	63332	110.318	ug/l	97
6) Chloroethane	2.93	64	67125	136.838	ug/l	94
7) Trichlorofluoromethane	3.26	101	74508	87.589	ug/l	91
8) Diethyl Ether	3.68	74	43162	96.771	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.06	101	75583	77.732	ug/l	100
10) Methyl Iodide	4.26	142	109869	71.044	ug/l	100
11) Tert butyl alcohol	5.24	59	22245	328.275	ug/l #	100
12) 1,1-Dichloroethene	4.03	96	74190	78.867	ug/l	95
13) Acrolein	3.90	56	28417	567.169	ug/l	98
14) Allyl chloride	4.67	41	136480	101.020	ug/l	99
15) Acrylonitrile	5.37	53	81972	500.037	ug/l	98
16) Acetone	4.14	43	67154	408.236	ug/l	92
17) Carbon Disulfide	4.37	76	236912	82.294	ug/l	99
18) Methyl Acetate	4.67	43	48241	107.055	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	120260	81.137	ug/l	93
20) Methylene Chloride	4.91	84	77381	70.105	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	81460	79.659	ug/l	94
22) Diisopropyl ether	6.31	45	255380	104.455	ug/l	99
23) Vinyl Acetate	6.26	43	691949	512.392	ug/l	99
24) 1,1-Dichloroethane	6.21	63	147579	85.500	ug/l	99
25) 2-Butanone	7.18	43	101812	506.728	ug/l	94
26) 2,2-Dichloropropane	7.16	77	97161	70.613	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	86132	78.865	ug/l	100
28) Bromochloromethane	7.51	49	55885	95.257	ug/l	97
29) Tetrahydrofuran	7.53	42	68870	539.068	ug/l	99
30) Chloroform	7.67	83	142347	75.436	ug/l	94
31) Cyclohexane	7.95	56	150691	90.920	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	124371	70.137	ug/l	99
36) 1,1-Dichloropropene	8.08	75	122643	75.682	ug/l	99
37) Ethyl Acetate	7.26	43	45042	87.163	ug/l	98
38) Carbon Tetrachloride	8.07	117	113170	60.661	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	157935	77.768	ug/l	97
40) Benzene	8.32	78	337084	78.244	ug/l	100
41) Methacrylonitrile	7.49	41	29876	100.803	ug/l	93
42) 1,2-Dichloroethane	8.40	62	91719	65.730	ug/l	100
43) Isopropyl Acetate	8.43	43	99001	96.938	ug/l	99
44) Trichloroethene	9.09	130	85986	69.421	ug/l	96
45) 1,2-Dichloropropane	9.37	63	83903	87.802	ug/l	98
46) Dibromomethane	9.46	93	40393	74.809	ug/l	97
47) Bromodichloromethane	9.65	83	105566	70.414	ug/l	98
48) Methyl methacrylate	9.43	41	48850	94.696	ug/l	98
49) 1,4-Dioxane	9.48	88	11771	1455.833	ug/l #	99
51) 4-Methyl-2-Pentanone	10.21	43	234744	489.766	ug/l	99
52) Toluene	10.39	92	216387	76.195	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	111894	76.634	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	130210	79.174	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	57613	78.580	ug/l	97
56) Ethyl methacrylate	10.65	69	75011	88.206	ug/l	99
57) 1,3-Dichloropropane	10.93	76	103869	81.602	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	182881	440.406	ug/l	99
59) 2-Hexanone	10.97	43	160306	486.022	ug/l	100
60) Dibromochloromethane	11.13	129	66145	67.455	ug/l	100
61) 1,2-Dibromoethane	11.24	107	55386	75.450	ug/l	99
64) Tetrachloroethene	10.86	164	70109	69.579	ug/l	97
65) Chlorobenzene	11.66	112	227699	71.837	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	75402	66.561	ug/l	99
67) Ethyl Benzene	11.73	91	418829	73.925	ug/l	99
68) m/p-Xylenes	11.84	106	318135	145.617	ug/l	100
69) o-Xylene	12.17	106	151053	74.338	ug/l	97
70) Styrene	12.18	104	238658	72.242	ug/l	99
71) Bromoform	12.35	173	34799	66.579	ug/l #	96
73) Isopropylbenzene	12.47	105	407539	73.795	ug/l	99
74) N-amyl acetate	12.27	43	91944	100.077	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.72	83	63500	87.162	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	38032m	67.092	ug/l	
77) Bromobenzene	12.75	156	86657	73.644	ug/l	94
78) n-propylbenzene	12.81	91	494119	76.313	ug/l	100
79) 2-Chlorotoluene	12.90	91	274064	73.745	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	334122	70.792	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	20449	84.750	ug/l	99
82) 4-Chlorotoluene	12.99	91	285826	72.383	ug/l	99
83) tert-Butylbenzene	13.21	119	298012	71.885	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	336626	70.071	ug/l	99
85) sec-Butylbenzene	13.39	105	429228	74.590	ug/l	99
86) p-Isopropyltoluene	13.51	119	370885	71.857	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	172903	72.225	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	170529	71.800	ug/l	99
89) n-Butylbenzene	13.83	91	363876	76.297	ug/l	100
90) Hexachloroethane	14.10	117	64133	71.836	ug/l	96
91) 1,2-Dichlorobenzene	13.88	146	150244	71.297	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	10519	73.384	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	100940	69.424	ug/l	98
94) Hexachlorobutadiene	15.24	225	56125	67.346	ug/l	97
95) Naphthalene	15.38	128	190827	75.720	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	86464	71.475	ug/l	98

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

