

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW030719\
 Data File : VW009031.D
 Acq On : 07 Mar 2019 10:55
 Operator : SY/VA
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 3/8/2019 12:06:59 PM

Quant Time: Mar 08 03:31:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 03:11:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	290005	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	416775	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	410264	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	216684	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	14497	4.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.76%	
35) Dibromofluoromethane	7.89	113	11407	4.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.08%	
50) Toluene-d8	10.32	98	49986	4.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.62%	
62) 4-Bromofluorobenzene	12.62	95	19723	4.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	14204	4.867	ug/l	96
3) Chloromethane	2.21	50	17837	4.857	ug/l	93
4) Vinyl Chloride	2.35	62	17529	4.649	ug/l	99
5) Bromomethane	2.76	94	17852	5.560	ug/l	95
6) Chloroethane	2.92	64	10728	3.980	ug/l	94
7) Trichlorofluoromethane	3.26	101	22767	4.727	ug/l	88
8) Diethyl Ether	3.68	74	6720	4.626	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.07	101	14462	4.828	ug/l	97
10) Methyl Iodide	4.28	142	6705	2.356	ug/l	93
11) Tert butyl alcohol	5.20	59	5539m	26.672	ug/l	
12) 1,1-Dichloroethene	4.04	96	12094	4.638	ug/l	97
13) Acrolein	3.90	56	39966	160.756	ug/l	99
14) Allyl chloride	4.67	41	19833	4.386	ug/l	98
15) Acrylonitrile	5.38	53	13738	20.970	ug/l	97
16) Acetone	4.13	43	16022	24.116	ug/l	97
17) Carbon Disulfide	4.38	76	38019	4.351	ug/l	100
18) Methyl Acetate	4.68	43	7103	4.652	ug/l #	79
19) Methyl tert-butyl Ether	5.43	73	29519	4.294	ug/l	99
20) Methylene Chloride	4.92	84	26570	7.026	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	13165	4.371	ug/l	87
22) Diisopropyl ether	6.31	45	38734	4.254	ug/l #	96
23) Vinyl Acetate	6.26	43	109299	19.257	ug/l	97
24) 1,1-Dichloroethane	6.22	63	23886	4.523	ug/l	98
25) 2-Butanone	7.18	43	19613	21.748	ug/l	98
26) 2,2-Dichloropropane	7.16	77	23488	4.868	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	13560	4.227	ug/l	92
28) Bromochloromethane	7.51	49	11010	5.038	ug/l	97
29) Tetrahydrofuran	7.53	42	10970	18.973	ug/l	97
30) Chloroform	7.67	83	23706	4.393	ug/l	92
31) Cyclohexane	7.95	56	28303	5.268	ug/l #	82
32) 1,1,1-Trichloroethane	7.87	97	24273	4.885	ug/l	95
36) 1,1-Dichloropropene	8.09	75	20351	4.719	ug/l	97
37) Ethyl Acetate	7.26	43	7893	3.896	ug/l #	94
38) Carbon Tetrachloride	8.07	117	21008	4.701	ug/l #	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	22226	4.303	ug/l	94
40) Benzene	8.32	78	52813	4.606	ug/l	96
41) Methacrylonitrile	7.49	41	5360	5.020	ug/l #	80
42) 1,2-Dichloroethane	8.40	62	16073	4.302	ug/l	86
43) Isopropyl Acetate	8.43	43	15456	4.078	ug/l #	59
44) Trichloroethene	9.09	130	14828	4.600	ug/l	89
45) 1,2-Dichloropropane	9.37	63	13160	4.614	ug/l	93
46) Dibromomethane	9.46	93	7805	4.927	ug/l	96
47) Bromodichloromethane	9.65	83	17434	4.366	ug/l	94
48) Methyl methacrylate	9.43	41	7725	4.323	ug/l	94
49) 1,4-Dioxane	9.46	88	2001	86.034	ug/l #	88
51) 4-Methyl-2-Pentanone	10.21	43	39275	20.334	ug/l	97
52) Toluene	10.38	92	33627	4.300	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	15819	3.984	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	19320	4.264	ug/l #	93
55) 1,1,2-Trichloroethane	10.79	97	10825	5.042	ug/l	92
56) Ethyl methacrylate	10.65	69	10105	3.754	ug/l	97
57) 1,3-Dichloropropane	10.93	76	16467	4.321	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.93	63	29344	20.979	ug/l	98
59) 2-Hexanone	10.97	43	25725	18.865	ug/l	99
60) Dibromochloromethane	11.13	129	11079	4.200	ug/l	96
61) 1,2-Dibromoethane	11.24	107	9005	4.316	ug/l	98
64) Tetrachloroethene	10.86	164	13072	4.389	ug/l	94
65) Chlorobenzene	11.66	112	39581	4.478	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.73	131	12458	4.228	ug/l	95
67) Ethyl Benzene	11.73	91	67844	4.272	ug/l	96
68) m/p-Xylenes	11.84	106	52470	8.360	ug/l	99
69) o-Xylene	12.17	106	24424	4.174	ug/l	95
70) Styrene	12.18	104	36364	3.818	ug/l	98
71) Bromoform	12.35	173	6370	3.987	ug/l #	96
73) Isopropylbenzene	12.47	105	64367	4.180	ug/l	97
74) N-amyl acetate	12.27	43	15086	4.099	ug/l #	95
75) 1,1,2,2-Tetrachloroethane	12.72	83	11065	4.518	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	7795m	3.231	ug/l	
77) Bromobenzene	12.74	156	15958	4.532	ug/l	95
78) n-propylbenzene	12.80	91	80640	4.266	ug/l	98
79) 2-Chlorotoluene	12.90	91	46784	4.405	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	54499	4.107	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.52	75	2796	3.681	ug/l	88
82) 4-Chlorotoluene	12.99	91	48317	4.269	ug/l	98
83) tert-Butylbenzene	13.21	119	46218	4.146	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	53986	4.030	ug/l	99
85) sec-Butylbenzene	13.38	105	70148	4.247	ug/l	99
86) p-Isopropyltoluene	13.50	119	59936	4.048	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	32258	4.369	ug/l	94
88) 1,4-Dichlorobenzene	13.58	146	34306	4.704	ug/l	91
89) n-Butylbenzene	13.83	91	57355	4.064	ug/l	99
90) Hexachloroethane	14.09	117	10485	4.111	ug/l	87
91) 1,2-Dichlorobenzene	13.87	146	29522	4.565	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.48	75	1996	4.390	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	18353	4.150	ug/l	97
94) Hexachlorobutadiene	15.24	225	12570	4.548	ug/l	97
95) Naphthalene	15.37	128	24277	3.314	ug/l	96
96) 1,2,3-Trichlorobenzene	15.56	180	15303	3.941	ug/l	97

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

