

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW030719\
 Data File : VW009038.D
 Acq On : 07 Mar 2019 14:20
 Operator : SY/VA
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 3/8/2019 12:06:40 PM

Quant Time: Mar 08 05:31:03 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	267382	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	380483	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	368782	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	202899	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	14183	5.18	ug/l	0.00
Spiked Amount			Recovery	=	10.36%	
35) Dibromofluoromethane	7.88	113	11352	4.95	ug/l	0.00
Spiked Amount			Recovery	=	9.90%	
50) Toluene-d8	10.32	98	49489	5.21	ug/l	0.00
Spiked Amount			Recovery	=	10.42%	
62) 4-Bromofluorobenzene	12.62	95	20188	5.41	ug/l	0.00
Spiked Amount			Recovery	=	10.82%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	15647	5.815	ug/l	99
3) Chloromethane	2.21	50	19849	5.862	ug/l	98
4) Vinyl Chloride	2.35	62	19599	5.638	ug/l	96
5) Bromomethane	2.76	94	16270	5.496	ug/l	98
6) Chloroethane	2.92	64	14167	5.700	ug/l #	87
7) Trichlorofluoromethane	3.26	101	24111	5.429	ug/l	96
8) Diethyl Ether	3.69	74	7738	5.777	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.07	101	15855	5.741	ug/l	100
10) Methyl Iodide	4.27	142	12507	4.766	ug/l	95
11) Tert butyl alcohol	5.18	59	6277m	32.783	ug/l	
12) 1,1-Dichloroethene	4.04	96	12708	5.286	ug/l	85
13) Acrolein	3.89	56	5869	25.604	ug/l	100
14) Allyl chloride	4.68	41	23306	5.591	ug/l	99
15) Acrylonitrile	5.37	53	15097	24.995	ug/l	95
16) Acetone	4.13	43	16011	26.139	ug/l	97
17) Carbon Disulfide	4.38	76	42621	5.290	ug/l	100
18) Methyl Acetate	4.67	43	7832	5.563	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	32757	5.168	ug/l	96
20) Methylene Chloride	4.92	84	28290	8.113	ug/l	96
21) trans-1,2-Dichloroethene	5.43	96	14748	5.311	ug/l #	93
22) Diisopropyl ether	6.31	45	43006	5.123	ug/l #	90
23) Vinyl Acetate	6.26	43	125473	23.977	ug/l	99
24) 1,1-Dichloroethane	6.21	63	26318	5.406	ug/l	99
25) 2-Butanone	7.17	43	22499	27.059	ug/l	98
26) 2,2-Dichloropropane	7.17	77	24332	5.470	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	15692	5.305	ug/l	93
28) Bromochloromethane	7.52	49	11119	5.518	ug/l	93
29) Tetrahydrofuran	7.53	42	13703	25.705	ug/l	94
30) Chloroform	7.68	83	27066	5.440	ug/l	95
31) Cyclohexane	7.95	56	32165	6.493	ug/l #	82
32) 1,1,1-Trichloroethane	7.87	97	25508	5.568	ug/l	97
36) 1,1-Dichloropropene	8.09	75	22374	5.683	ug/l	97
37) Ethyl Acetate	7.26	43	10580	5.720	ug/l #	79
38) Carbon Tetrachloride	8.07	117	22365	5.482	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	24797	5.259	ug/l	97
40) Benzene	8.32	78	59064	5.643	ug/l	99
41) Methacrylonitrile	7.49	41	4839	4.965	ug/l	98
42) 1,2-Dichloroethane	8.40	62	18298	5.364	ug/l	88
43) Isopropyl Acetate	8.43	43	17875	5.167	ug/l	97
44) Trichloroethene	9.09	130	16860	5.729	ug/l	96
45) 1,2-Dichloropropane	9.37	63	15240	5.853	ug/l	100
46) Dibromomethane	9.46	93	7512	5.194	ug/l	91
47) Bromodichloromethane	9.64	83	19457	5.337	ug/l	97
48) Methyl methacrylate	9.44	41	7305	4.478	ug/l #	79
49) 1,4-Dioxane	9.46	88	2391	112.608	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	43514	24.677	ug/l	99
52) Toluene	10.39	92	38823	5.438	ug/l	96
53) t-1,3-Dichloropropene	10.60	75	17905	4.939	ug/l	92
54) cis-1,3-Dichloropropene	10.07	75	21372	5.167	ug/l	94
55) 1,1,2-Trichloroethane	10.79	97	10874	5.548	ug/l	92
56) Ethyl methacrylate	10.65	69	11215	4.564	ug/l	90
57) 1,3-Dichloropropane	10.93	76	18590	5.343	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	30254	23.693	ug/l	98
59) 2-Hexanone	10.97	43	29618	23.791	ug/l	99
60) Dibromochloromethane	11.13	129	12619	5.241	ug/l	95
61) 1,2-Dibromoethane	11.23	107	10559	5.544	ug/l	95
64) Tetrachloroethene	10.86	164	14776	5.519	ug/l	94
65) Chlorobenzene	11.66	112	45256	5.696	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	13927	5.258	ug/l	93
67) Ethyl Benzene	11.73	91	78689	5.513	ug/l	96
68) m/p-Xylenes	11.84	106	60661	10.753	ug/l	98
69) o-Xylene	12.16	106	27787	5.283	ug/l	99
70) Styrene	12.18	104	42560	4.971	ug/l	97
71) Bromoform	12.35	173	7155	4.982	ug/l #	96
73) Isopropylbenzene	12.46	105	75170	5.214	ug/l	99
74) N-amyl acetate	12.27	43	16035	4.652	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.71	83	12035	5.248	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	6983m	3.091	ug/l	
77) Bromobenzene	12.74	156	18252	5.536	ug/l	96
78) n-propylbenzene	12.80	91	92836	5.245	ug/l	100
79) 2-Chlorotoluene	12.89	91	53738	5.403	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	64260	5.171	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	3361	4.726	ug/l	99
82) 4-Chlorotoluene	12.99	91	57890	5.463	ug/l	99
83) tert-Butylbenzene	13.21	119	54040	5.177	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	65292	5.205	ug/l	98
85) sec-Butylbenzene	13.38	105	80983	5.236	ug/l	99
86) p-Isopropyltoluene	13.50	119	70988	5.121	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	38660	5.592	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	39029	5.715	ug/l	95
89) n-Butylbenzene	13.83	91	68154	5.157	ug/l	98
90) Hexachloroethane	14.09	117	13069	5.473	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	35352	5.838	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2118	4.975	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	22919	5.535	ug/l	97
94) Hexachlorobutadiene	15.24	225	15152	5.854	ug/l	99
95) Naphthalene	15.37	128	32439	4.728	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	20748	5.706	ug/l	96

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

