

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100418\
 Data File : VW005833.D
 Acq On : 04 Oct 2018 02:46
 Operator : SY/AP
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

apatel
 10/4/2018 2:46:57 PM

Quant Time: Oct 04 06:56:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100418S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 04 05:22:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	177528	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	279237	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	268872	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	147366	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	11611	5.51	ug/l	0.00
Spiked Amount			Recovery	=	11.02%	
35) Dibromofluoromethane	7.88	113	9335	5.28	ug/l	0.00
Spiked Amount			Recovery	=	10.56%	
50) Toluene-d8	10.33	98	35700	4.99	ug/l	0.00
Spiked Amount			Recovery	=	9.98%	
62) 4-Bromofluorobenzene	12.62	95	12859	4.84	ug/l	0.00
Spiked Amount			Recovery	=	9.68%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	5040	4.247	ug/l	97
3) Chloromethane	2.21	50	6946	4.951	ug/l	96
4) Vinyl Chloride	2.37	62	9954	5.764	ug/l	93
5) Bromomethane	2.78	94	7067	6.030	ug/l	93
6) Chloroethane	2.93	64	5837	5.275	ug/l	95
7) Trichlorofluoromethane	3.26	101	6153	4.633	ug/l	98
8) Diethyl Ether	3.68	74	5090	5.699	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.07	101	9632m	5.665	ug/l	
10) Methyl Iodide	4.26	142	14169	5.355	ug/l #	94
11) Tert butyl alcohol	5.24	59	3609m	29.636	ug/l	
12) 1,1-Dichloroethene	4.04	96	8926	5.446	ug/l	87
13) Acrolein	3.89	56	3090	32.724	ug/l	98
14) Allyl chloride	4.66	41	13780	4.882	ug/l	100
15) Acrylonitrile	5.38	53	9477	23.962	ug/l	100
16) Acetone	4.15	43	10057	26.715	ug/l	95
17) Carbon Disulfide	4.38	76	29138	5.643	ug/l	99
18) Methyl Acetate	4.68	43	5390	5.314	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	11588	4.528	ug/l	94
20) Methylene Chloride	4.92	84	21271	9.991	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	9170	5.109	ug/l #	91
22) Diisopropyl ether	6.32	45	23469	4.269	ug/l #	82
23) Vinyl Acetate	6.26	43	63322	20.044	ug/l	95
24) 1,1-Dichloroethane	6.21	63	17748	5.199	ug/l	96
25) 2-Butanone	7.19	43	12516	24.228	ug/l	95
26) 2,2-Dichloropropane	7.17	77	12333	5.277	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	10098	5.113	ug/l	95
28) Bromochloromethane	7.51	49	6966	5.248	ug/l #	99
29) Tetrahydrofuran	7.54	42	6824	21.101	ug/l	98
30) Chloroform	7.68	83	19649	5.550	ug/l	97
31) Cyclohexane	7.96	56	16574	5.118	ug/l #	71
32) 1,1,1-Trichloroethane	7.88	97	16737	5.380	ug/l	99
36) 1,1-Dichloropropene	8.09	75	13952	4.929	ug/l	99
37) Ethyl Acetate	7.26	43	5385	4.489	ug/l	99
38) Carbon Tetrachloride	8.07	117	16251	5.352	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.34	83	15016	4.512	ug/l	95
40) Benzene	8.33	78	41349	5.138	ug/l	97
41) Methacrylonitrile	7.49	41	2725	3.927	ug/l #	87
42) 1,2-Dichloroethane	8.41	62	13783	5.286	ug/l	100
43) Isopropyl Acetate	8.43	43	10313	4.349	ug/l #	84
44) Trichloroethene	9.09	130	11398	5.515	ug/l	96
45) 1,2-Dichloropropane	9.37	63	9971	5.086	ug/l	97
46) Dibromomethane	9.46	93	5380	5.381	ug/l	97
47) Bromodichloromethane	9.65	83	14123	5.301	ug/l	99
48) Methyl methacrylate	9.44	41	4657	4.129	ug/l	95
49) 1,4-Dioxane	9.47	88	1402	87.859	ug/l #	87
51) 4-Methyl-2-Pentanone	10.21	43	25661	21.412	ug/l	98
52) Toluene	10.39	92	24967	4.961	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	12723	4.768	ug/l	96
54) cis-1,3-Dichloropropene	10.08	75	14106	4.724	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	7830	5.504	ug/l	97
56) Ethyl methacrylate	10.65	69	7291	4.155	ug/l	93
57) 1,3-Dichloropropane	10.93	76	12358	4.927	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	16384	21.011	ug/l	97
59) 2-Hexanone	10.98	43	16330	20.106	ug/l	95
60) Dibromochloromethane	11.13	129	9326	5.383	ug/l	99
61) 1,2-Dibromoethane	11.24	107	6683	5.028	ug/l	99
64) Tetrachloroethene	10.87	164	10797	5.544	ug/l	97
65) Chlorobenzene	11.66	112	30019	5.216	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	10928	5.239	ug/l	98
67) Ethyl Benzene	11.74	91	46258	4.541	ug/l	93
68) m/p-Xylenes	11.84	106	35802	9.271	ug/l	98
69) o-Xylene	12.17	106	16250	4.497	ug/l	95
70) Styrene	12.19	104	26514	4.361	ug/l	98
71) Bromoform	12.35	173	5708	5.099	ug/l #	96
73) Isopropylbenzene	12.47	105	44018	4.302	ug/l	99
74) N-amyl acetate	12.28	43	9137	3.933	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	8225	4.778	ug/l	96
76) 1,2,3-Trichloropropane	12.77	75	7010m	5.487	ug/l	
77) Bromobenzene	12.76	156	12026	4.962	ug/l	98
78) n-propylbenzene	12.81	91	52997	4.290	ug/l	100
79) 2-Chlorotoluene	12.90	91	32249	4.492	ug/l	98
80) 1,3,5-Trimethylbenzene	12.95	105	37236	4.182	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.52	75	2226	3.967	ug/l	95
82) 4-Chlorotoluene	12.99	91	33853	4.470	ug/l	100
83) tert-Butylbenzene	13.21	119	30994	4.147	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	37805	4.200	ug/l	97
85) sec-Butylbenzene	13.39	105	46488	4.300	ug/l	99
86) p-Isopropyltoluene	13.51	119	39610	4.075	ug/l	97
87) 1,3-Dichlorobenzene	13.51	146	24944	5.046	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	25540	5.202	ug/l	94
89) n-Butylbenzene	13.83	91	39400	4.323	ug/l	98
90) Hexachloroethane	14.10	117	8830	5.009	ug/l	96
91) 1,2-Dichlorobenzene	13.88	146	21854	4.989	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	1578	4.761	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	14636	4.707	ug/l	99
94) Hexachlorobutadiene	15.25	225	10484	5.232	ug/l	99
95) Naphthalene	15.38	128	21994	4.155	ug/l	98
96) 1,2,3-Trichlorobenzene	15.57	180	13072	4.744	ug/l	97

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

