

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070218\
 Data File : VW003680.D
 Acq On : 02 Jul 2018 16:58
 Operator : SY/AP
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

apatel
 7/3/2018 10:16:25 AM

Quant Time: Jul 03 08:54:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070218S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 03 02:27:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	246586	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	397549	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	367452	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	195057	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	29019	10.65	ug/l	0.00
Spiked Amount			Recovery	=	21.30%	
35) Dibromofluoromethane	7.89	113	24573	9.79	ug/l	0.00
Spiked Amount			Recovery	=	19.58%	
50) Toluene-d8	10.33	98	96157	9.68	ug/l	0.00
Spiked Amount			Recovery	=	19.36%	
62) 4-Bromofluorobenzene	12.62	95	34364	9.73	ug/l	0.00
Spiked Amount			Recovery	=	19.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	9102m	11.01	ug/l	
3) Chloromethane	2.21	50	17172	8.94	ug/l	99
4) Vinyl Chloride	2.36	62	23938	8.62	ug/l	97
5) Bromomethane	2.78	94	15730	8.57	ug/l	94
6) Chloroethane	2.92	64	14009	7.41	ug/l	97
7) Trichlorofluoromethane	3.25	101	13805	8.53	ug/l	92
8) Diethyl Ether	3.67	74	12354	10.04	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.04	101	22651	9.78	ug/l	97
10) Methyl Iodide	4.26	142	30645	8.77	ug/l	98
11) Tert butyl alcohol	5.21	59	8477m	57.26	ug/l	
12) 1,1-Dichloroethene	4.03	96	22009	9.65	ug/l	94
13) Acrolein	3.89	56	6028	33.22	ug/l	93
14) Allyl chloride	4.65	41	35857	9.13	ug/l	96
15) Acrylonitrile	5.37	53	27670	53.65	ug/l	99
16) Acetone	4.15	43	34077	58.74	ug/l	95
17) Carbon Disulfide	4.37	76	58977	8.65	ug/l	97
18) Methyl Acetate	4.68	43	14041	10.41	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	41180	9.63	ug/l	98
20) Methylene Chloride	4.91	84	31158	11.05	ug/l	97
21) trans-1,2-Dichloroethene	5.41	96	22954	9.22	ug/l	99
22) Diisopropyl ether	6.32	45	77002	9.71	ug/l	99
23) Vinyl Acetate	6.26	43	221766	47.85	ug/l	99
24) 1,1-Dichloroethane	6.21	63	46934	9.97	ug/l	98
25) 2-Butanone	7.18	43	40848	56.17	ug/l	95
26) 2,2-Dichloropropane	7.17	77	30047	9.74	ug/l	96
27) cis-1,2-Dichloroethene	7.17	96	25297	9.34	ug/l	96
28) Bromochloromethane	7.51	49	22291	11.41	ug/l	98
29) Tetrahydrofuran	7.54	42	23549	52.79	ug/l	100
30) Chloroform	7.67	83	47245	9.89	ug/l	95
31) Cyclohexane	7.95	56	41986	9.52	ug/l	# 87
32) 1,1,1-Trichloroethane	7.87	97	36881	9.43	ug/l	98
36) 1,1-Dichloropropene	8.08	75	35972	9.20	ug/l	100
37) Ethyl Acetate	7.26	43	17652	10.65	ug/l	98
38) Carbon Tetrachloride	8.07	117	34633	9.10	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	39709	8.75	ug/l	95
40) Benzene	8.32	78	104046	9.65	ug/l	99
41) Methacrylonitrile	7.49	41	8806	8.77	ug/l	96
42) 1,2-Dichloroethane	8.40	62	32436	9.61	ug/l	98
43) Isopropyl Acetate	8.43	43	31468	9.67	ug/l	98
44) Trichloroethene	9.09	130	27001	9.53	ug/l	93
45) 1,2-Dichloropropane	9.37	63	26985	9.83	ug/l	96
46) Dibromomethane	9.46	93	13851	9.81	ug/l	98
47) Bromodichloromethane	9.65	83	34438	9.57	ug/l	99
48) Methyl methacrylate	9.44	41	13873	9.04	ug/l	92
49) 1,4-Dioxane	9.48	88	4378	205.04	ug/l #	97
51) 4-Methyl-2-Pentanone	10.21	43	83752	50.16	ug/l	98
52) Toluene	10.39	92	63068	9.14	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	34176	9.28	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	38728	9.22	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	19958	10.04	ug/l	97
56) Ethyl methacrylate	10.65	69	21749	8.95	ug/l	97
57) 1,3-Dichloropropane	10.93	76	32990	9.60	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	49766	46.46	ug/l	99
59) 2-Hexanone	10.98	43	58553	50.09	ug/l	96
60) Dibromochloromethane	11.13	129	22236	9.46	ug/l	99
61) 1,2-Dibromoethane	11.24	107	18003	9.57	ug/l	99
64) Tetrachloroethene	10.87	164	21944	8.86	ug/l	96
65) Chlorobenzene	11.66	112	71748	9.30	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.74	131	24672	9.11	ug/l	98
67) Ethyl Benzene	11.74	91	120356	8.79	ug/l	100
68) m/p-Xylenes	11.84	106	93015	17.87	ug/l	99
69) o-Xylene	12.17	106	41650	8.66	ug/l	99
70) Styrene	12.19	104	69700	8.67	ug/l	99
71) Bromoform	12.35	173	13463	9.52	ug/l #	100
73) Isopropylbenzene	12.47	105	117357	8.62	ug/l	99
74) N-amyl acetate	12.27	43	29127	9.18	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	24116	10.25	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	16303m	9.65	ug/l	
77) Bromobenzene	12.75	156	29157	9.15	ug/l	99
78) n-propylbenzene	12.81	91	146892	8.78	ug/l	99
79) 2-Chlorotoluene	12.90	91	84371	8.93	ug/l	98
80) 1,3,5-Trimethylbenzene	12.95	105	101231	8.85	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	7056	9.49	ug/l	96
82) 4-Chlorotoluene	12.99	91	92190	9.20	ug/l	98
83) tert-Butylbenzene	13.21	119	84363	8.66	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	103380	8.76	ug/l	100
85) sec-Butylbenzene	13.39	105	127679	8.81	ug/l	99
86) p-Isopropyltoluene	13.51	119	111040	8.71	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	60743	9.31	ug/l	99
88) 1,4-Dichlorobenzene	13.59	146	61224	9.43	ug/l	97
89) n-Butylbenzene	13.84	91	109104	8.76	ug/l	97
90) Hexachloroethane	14.10	117	20997	9.09	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	54848	9.58	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	4152	10.48	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	37172	9.24	ug/l	99
94) Hexachlorobutadiene	15.25	225	22259	9.27	ug/l	99
95) Naphthalene	15.38	128	60140	8.71	ug/l	98
96) 1,2,3-Trichlorobenzene	15.57	180	33310	9.39	ug/l	98

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

