

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW112118\
 Data File : VW006975.D
 Acq On : 20 Nov 2018 14:39
 Operator : SY/AP
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 11/21/2018 11:32:33 AM

Quant Time: Nov 21 03:14:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W112118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 21 02:56:06 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	120711	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	193113	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	180631	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	91640	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	25119	21.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.52%	
35) Dibromofluoromethane	7.89	113	21493	19.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.42%	
50) Toluene-d8	10.32	98	94241	19.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.14%	
62) 4-Bromofluorobenzene	12.62	95	37820	19.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.92%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.00	85	26168	21.96	ug/l	100
3) Chloromethane	2.21	50	20702	20.84	ug/l	100
4) Vinyl Chloride	2.36	62	19708	20.17	ug/l	97
5) Bromomethane	2.78	94	10106	19.38	ug/l	99
6) Chloroethane	2.92	64	10484	19.46	ug/l	92
7) Trichlorofluoromethane	3.26	101	40471	21.06	ug/l	97
8) Diethyl Ether	3.69	74	13600	21.96	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.06	101	26338	21.14	ug/l	99
10) Methyl Iodide	4.28	142	26860	18.83	ug/l	99
11) Tert butyl alcohol	5.22	59	8130	107.22	ug/l #	89
12) 1,1-Dichloroethene	4.04	96	21968	20.11	ug/l	95
13) Acrolein	3.91	56	9721	123.04	ug/l	100
14) Allyl chloride	4.68	41	36819	20.32	ug/l	99
15) Acrylonitrile	5.38	53	23959	102.95	ug/l	97
16) Acetone	4.15	43	17407	101.45	ug/l	93
17) Carbon Disulfide	4.38	76	69903	19.79	ug/l	98
18) Methyl Acetate	4.68	43	12482	20.43	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	62539	21.92	ug/l	97
20) Methylene Chloride	4.92	84	32962	19.44	ug/l	98
21) trans-1,2-Dichloroethene	5.43	96	26532	20.85	ug/l	95
22) Diisopropyl ether	6.32	45	74888	21.23	ug/l	96
23) Vinyl Acetate	6.26	43	201487	107.57	ug/l	99
24) 1,1-Dichloroethane	6.23	63	43996	20.50	ug/l	99
25) 2-Butanone	7.18	43	30777	104.73	ug/l	99
26) 2,2-Dichloropropane	7.17	77	40457	20.97	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	27377	20.20	ug/l	98
28) Bromochloromethane	7.52	49	15227	18.99	ug/l #	98
29) Tetrahydrofuran	7.54	42	20116	105.69	ug/l	99
30) Chloroform	7.68	83	46155	20.25	ug/l	97
31) Cyclohexane	7.96	56	48797	21.44	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	44100	21.48	ug/l	98
36) 1,1-Dichloropropene	8.09	75	40263	21.34	ug/l	99
37) Ethyl Acetate	7.26	43	14681	21.47	ug/l	98
38) Carbon Tetrachloride	8.07	117	37682	20.85	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	47938	20.30	ug/l	99
40) Benzene	8.33	78	103281	20.28	ug/l	99
41) Methacrylonitrile	7.49	41	9602	22.61	ug/l	89
42) 1,2-Dichloroethane	8.40	62	30123	20.37	ug/l	100
43) Isopropyl Acetate	8.43	43	26859	20.61	ug/l	99
44) Trichloroethene	9.09	130	29381	20.58	ug/l	98
45) 1,2-Dichloropropane	9.37	63	25891	20.62	ug/l	98
46) Dibromomethane	9.46	93	13008	20.69	ug/l	96
47) Bromodichloromethane	9.65	83	35097	21.18	ug/l	99
48) Methyl methacrylate	9.44	41	12197	19.41	ug/l	98
49) 1,4-Dioxane	9.48	88	3731	399.19	ug/l #	93
51) 4-Methyl-2-Pentanone	10.21	43	67331	102.24	ug/l	99
52) Toluene	10.39	92	67531	19.48	ug/l	97
53) t-1,3-Dichloropropene	10.61	75	32508	20.25	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	40289	20.78	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	19265	20.82	ug/l	96
56) Ethyl methacrylate	10.65	69	21136	19.68	ug/l	98
57) 1,3-Dichloropropane	10.93	76	31834	20.53	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	61158	108.98	ug/l	99
59) 2-Hexanone	10.97	43	46509	103.13	ug/l	99
60) Dibromochloromethane	11.13	129	21768	20.65	ug/l	100
61) 1,2-Dibromoethane	11.24	107	17298	20.44	ug/l	98
64) Tetrachloroethene	10.87	164	22807	19.63	ug/l	95
65) Chlorobenzene	11.66	112	75022	19.90	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	23476	20.58	ug/l	99
67) Ethyl Benzene	11.73	91	138214	19.96	ug/l	98
68) m/p-Xylenes	11.84	106	109980	40.48	ug/l	98
69) o-Xylene	12.17	106	51374	20.05	ug/l	100
70) Styrene	12.18	104	81520	19.99	ug/l	100
71) Bromoform	12.35	173	11037	20.54	ug/l #	100
73) Isopropylbenzene	12.47	105	140744	19.76	ug/l	99
74) N-amyl acetate	12.27	43	23579	19.75	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	19233	20.29	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	14959m	12.61	ug/l	
77) Bromobenzene	12.75	156	30891	20.19	ug/l	96
78) n-propylbenzene	12.81	91	170492	19.76	ug/l	99
79) 2-Chlorotoluene	12.90	91	97710	19.64	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	121339	19.70	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	5624	19.61	ug/l	94
82) 4-Chlorotoluene	12.99	91	102972	19.73	ug/l	100
83) tert-Butylbenzene	13.21	119	104970	19.69	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	122005	19.88	ug/l	99
85) sec-Butylbenzene	13.39	105	150134	19.93	ug/l	99
86) p-Isopropyltoluene	13.50	119	132551	19.95	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	61965	19.84	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	62544	20.09	ug/l	98
89) n-Butylbenzene	13.83	91	123072	19.68	ug/l	100
90) Hexachloroethane	14.10	117	18206	18.76	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	55097	20.13	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.49	75	3341	20.87	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	35100	19.45	ug/l	99
94) Hexachlorobutadiene	15.24	225	19278	19.65	ug/l	98
95) Naphthalene	15.38	128	63145	19.28	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	29391	19.63	ug/l	98

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

