

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW112718\
 Data File : VW007082.D
 Acq On : 27 Nov 2018 12:36
 Operator : VAY/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 11/28/2018 11:45:13 AM

Quant Time: Nov 28 00:39:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W112118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 21 03:23:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	110199	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	167625	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	151903	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	75423	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	53807	49.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.74%	
35) Dibromofluoromethane	7.88	113	50400	53.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.48%	
50) Toluene-d8	10.33	98	224842	53.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.58%	
62) 4-Bromofluorobenzene	12.62	95	84570	51.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.82%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.00	85	53314	49.00	ug/l	98
3) Chloromethane	2.21	50	46046	50.78	ug/l	97
4) Vinyl Chloride	2.36	62	45754	51.29	ug/l	100
5) Bromomethane	2.78	94	27369	57.48	ug/l	90
6) Chloroethane	2.92	64	25713	52.29	ug/l	97
7) Trichlorofluoromethane	3.26	101	87929	50.12	ug/l	100
8) Diethyl Ether	3.69	74	27086	47.92	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.07	101	55466	48.77	ug/l	99
10) Methyl Iodide	4.28	142	62592	48.08	ug/l	98
11) Tert butyl alcohol	5.18	59	16913	240.81	ug/l	99
12) 1,1-Dichloroethene	4.04	96	49695	49.82	ug/l	97
13) Acrolein	3.90	56	16695	231.47	ug/l	99
14) Allyl chloride	4.68	41	81667	49.36	ug/l	100
15) Acrylonitrile	5.37	53	53868	253.55	ug/l	99
16) Acetone	4.14	43	39022	249.12	ug/l	100
17) Carbon Disulfide	4.39	76	160967	49.92	ug/l	99
18) Methyl Acetate	4.68	43	26112	46.81	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	127023	48.77	ug/l	97
20) Methylene Chloride	4.92	84	58831	46.78	ug/l	98
21) trans-1,2-Dichloroethene	5.43	96	57241	49.26	ug/l	97
22) Diisopropyl ether	6.31	45	155345	48.24	ug/l	98
23) Vinyl Acetate	6.26	43	431660	252.43	ug/l	100
24) 1,1-Dichloroethane	6.22	63	94172	48.07	ug/l	99
25) 2-Butanone	7.17	43	65612	244.56	ug/l	99
26) 2,2-Dichloropropane	7.17	77	88780	50.40	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	60214	48.66	ug/l	99
28) Bromochloromethane	7.51	49	38475	52.55	ug/l	99
29) Tetrahydrofuran	7.53	42	41676	239.86	ug/l	99
30) Chloroform	7.68	83	99472	47.80	ug/l	97
31) Cyclohexane	7.95	56	98247	47.28	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	95075	50.72	ug/l	99
36) 1,1-Dichloropropene	8.09	75	85465	52.17	ug/l	99
37) Ethyl Acetate	7.26	43	29063	48.96	ug/l	98
38) Carbon Tetrachloride	8.07	117	84835	54.08	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	104648	51.05	ug/l	99
40) Benzene	8.33	78	228066	51.58	ug/l	99
41) Methacrylonitrile	7.49	41	18783	50.95	ug/l	93
42) 1,2-Dichloroethane	8.40	62	63266	49.28	ug/l	99
43) Isopropyl Acetate	8.43	43	57521	50.85	ug/l	98
44) Trichloroethene	9.09	130	63567	51.28	ug/l	95
45) 1,2-Dichloropropane	9.37	63	55167	50.61	ug/l	98
46) Dibromomethane	9.46	93	27308	50.03	ug/l	98
47) Bromodichloromethane	9.65	83	70491	49.02	ug/l	98
48) Methyl methacrylate	9.44	41	27096	49.68	ug/l	96
49) 1,4-Dioxane	9.46	88	9166	1129.81	ug/l #	96
51) 4-Methyl-2-Pentanone	10.21	43	135254	236.61	ug/l	97
52) Toluene	10.39	92	159622	53.05	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	71982	51.67	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	85034	50.52	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	39640	49.36	ug/l	98
56) Ethyl methacrylate	10.65	69	48797	52.35	ug/l	100
57) 1,3-Dichloropropane	10.93	76	67030	49.81	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	113461	232.92	ug/l	99
59) 2-Hexanone	10.97	43	97558	249.22	ug/l	97
60) Dibromochloromethane	11.13	129	46550	50.87	ug/l	97
61) 1,2-Dibromoethane	11.24	107	36818	50.12	ug/l	100
64) Tetrachloroethene	10.87	164	51700	52.90	ug/l	98
65) Chlorobenzene	11.66	112	172342	54.36	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	52446	54.68	ug/l	99
67) Ethyl Benzene	11.74	91	316716	54.38	ug/l	95
68) m/p-Xylenes	11.84	106	245103	107.26	ug/l	99
69) o-Xylene	12.17	106	112418	52.18	ug/l	98
70) Styrene	12.18	104	181752	53.00	ug/l	100
71) Bromoform	12.35	173	24301	53.79	ug/l #	99
73) Isopropylbenzene	12.47	105	309589	52.81	ug/l	99
74) N-amyl acetate	12.27	43	52376	53.31	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	38882	49.84	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	30678m	51.76	ug/l	
77) Bromobenzene	12.75	156	66863	53.11	ug/l	96
78) n-propylbenzene	12.81	91	369994	52.11	ug/l	99
79) 2-Chlorotoluene	12.90	91	217658	53.16	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	268244	52.92	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	12153	51.48	ug/l	97
82) 4-Chlorotoluene	12.99	91	228970	53.29	ug/l	99
83) tert-Butylbenzene	13.21	119	235124	53.58	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	269840	53.43	ug/l	99
85) sec-Butylbenzene	13.39	105	327510	52.82	ug/l	98
86) p-Isopropyltoluene	13.51	119	288605	52.76	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	135473	52.71	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	138394	54.00	ug/l	97
89) n-Butylbenzene	13.83	91	280515	54.50	ug/l	99
90) Hexachloroethane	14.10	117	44403	55.60	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	118041	52.41	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7203	54.67	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	74273	50.01	ug/l	97
94) Hexachlorobutadiene	15.24	225	43538	53.93	ug/l	98
95) Naphthalene	15.38	128	133427	49.49	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	62510	50.73	ug/l	99

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

