

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW111218\
 Data File : VW006805.D
 Acq On : 12 Nov 2018 13:16
 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

apatel
 11/13/2018 11:53:37 AM

Quant Time: Nov 12 14:21:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W111218S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 12 14:08:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	345236	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	455284	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	437710	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	249874	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	51864	20.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.00%	
35) Dibromofluoromethane	7.89	113	54698	21.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.22%	
50) Toluene-d8	10.33	98	224692	20.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.20%	
62) 4-Bromofluorobenzene	12.62	95	82599	20.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.60%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.00	85	63315	22.557	ug/l	98
3) Chloromethane	2.21	50	67610	20.064	ug/l	99
4) Vinyl Chloride	2.35	62	70836	19.995	ug/l	99
5) Bromomethane	2.78	94	44265	18.535	ug/l	98
6) Chloroethane	2.92	64	43620	18.814	ug/l	97
7) Trichlorofluoromethane	3.26	101	93858	21.086	ug/l	95
8) Diethyl Ether	3.69	74	27062	20.898	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.07	101	63206	21.370	ug/l	99
10) Methyl Iodide	4.28	142	84750	20.625	ug/l	99
11) Tert butyl alcohol	5.22	59	15227	91.437	ug/l #	72
12) 1,1-Dichloroethene	4.04	96	52279	21.198	ug/l	97
13) Acrolein	3.90	56	18239	105.161	ug/l	97
14) Allyl chloride	4.68	41	67514	20.307	ug/l	99
15) Acrylonitrile	5.38	53	48164	92.922	ug/l	99
16) Acetone	4.15	43	33674	91.942	ug/l	97
17) Carbon Disulfide	4.38	76	162533	19.978	ug/l	98
18) Methyl Acetate	4.68	43	23757	18.484	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	128898	21.339	ug/l	100
20) Methylene Chloride	4.92	84	78557	22.187	ug/l	98
21) trans-1,2-Dichloroethene	5.43	96	61414	20.819	ug/l	99
22) Diisopropyl ether	6.32	45	147816	21.097	ug/l	96
23) Vinyl Acetate	6.26	43	418058	104.621	ug/l	99
24) 1,1-Dichloroethane	6.22	63	94489	20.616	ug/l	99
25) 2-Butanone	7.18	43	60940	100.774	ug/l	96
26) 2,2-Dichloropropane	7.17	77	96773	22.161	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	64720	20.475	ug/l	98
28) Bromochloromethane	7.52	49	32632	19.009	ug/l	98
29) Tetrahydrofuran	7.54	42	37973	95.807	ug/l	98
30) Chloroform	7.68	83	103792	20.437	ug/l	100
31) Cyclohexane	7.96	56	101856	21.578	ug/l	98
32) 1,1,1-Trichloroethane	7.88	97	104297	21.639	ug/l	99
36) 1,1-Dichloropropene	8.09	75	90402	21.882	ug/l	100
37) Ethyl Acetate	7.26	43	29215	19.913	ug/l	99
38) Carbon Tetrachloride	8.07	117	96744	21.917	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	108093	20.550	ug/l	100
40) Benzene	8.33	78	238182	20.417	ug/l	99
41) Methacrylonitrile	7.49	41	17354	20.388	ug/l	94
42) 1,2-Dichloroethane	8.40	62	64898	20.437	ug/l	100
43) Isopropyl Acetate	8.43	43	54117	19.676	ug/l	99
44) Trichloroethene	9.09	130	77224	21.530	ug/l	100
45) 1,2-Dichloropropane	9.37	63	57880	21.125	ug/l	97
46) Dibromomethane	9.46	93	30901	20.088	ug/l	98
47) Bromodichloromethane	9.65	83	79313	21.248	ug/l	96
48) Methyl methacrylate	9.44	41	25323	19.549	ug/l	99
49) 1,4-Dioxane	9.48	88	8351	362.624	ug/l #	97
51) 4-Methyl-2-Pentanone	10.21	43	132624	93.855	ug/l	99
52) Toluene	10.39	92	165759	20.210	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	75526	20.867	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	91691	21.367	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	46086	20.337	ug/l	98
56) Ethyl methacrylate	10.65	69	47948	19.161	ug/l	99
57) 1,3-Dichloropropane	10.93	76	74420	20.543	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	127933	102.657	ug/l	99
59) 2-Hexanone	10.97	43	90140	94.126	ug/l	99
60) Dibromochloromethane	11.13	129	56025	20.568	ug/l	100
61) 1,2-Dibromoethane	11.24	107	43063	19.752	ug/l	100
64) Tetrachloroethene	10.87	164	68659	20.541	ug/l	97
65) Chlorobenzene	11.66	112	190624	20.460	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	63093	21.139	ug/l	100
67) Ethyl Benzene	11.73	91	322923	20.603	ug/l	100
68) m/p-Xylenes	11.84	106	265451	41.521	ug/l	100
69) o-Xylene	12.17	106	122683	20.844	ug/l	99
70) Styrene	12.18	104	195967	20.484	ug/l	100
71) Bromoform	12.35	173	33659	20.359	ug/l #	98
73) Isopropylbenzene	12.47	105	332479	20.680	ug/l	99
74) N-amyl acetate	12.27	43	49874	19.032	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	46717	19.505	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	34487m	18.926	ug/l	
77) Bromobenzene	12.75	156	84855	20.412	ug/l	100
78) n-propylbenzene	12.81	91	395154	20.686	ug/l	99
79) 2-Chlorotoluene	12.90	91	221482	20.581	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	287936	20.671	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	13782	20.109	ug/l	98
82) 4-Chlorotoluene	12.99	91	236656	20.576	ug/l	100
83) tert-Butylbenzene	13.21	119	250669	20.826	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	294458	20.632	ug/l	99
85) sec-Butylbenzene	13.39	105	357919	20.777	ug/l	100
86) p-Isopropyltoluene	13.51	119	324261	20.636	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	173039	20.489	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	171404	20.377	ug/l	99
89) n-Butylbenzene	13.83	91	296505	20.445	ug/l	99
90) Hexachloroethane	14.10	117	51192	20.766	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	150910	20.426	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7136	18.451	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	111836	20.448	ug/l	100
94) Hexachlorobutadiene	15.24	225	70969	20.618	ug/l	99
95) Naphthalene	15.38	128	162278	19.391	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	93931	19.854	ug/l	100

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

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