

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW111718\
 Data File : VW006929.D
 Acq On : 16 Nov 2018 22:53
 Operator : SY/AP
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

apatel
 11/19/2018 3:29:15 PM

Quant Time: Nov 17 04:36:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W111718S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 17 01:21:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	112196	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	184239	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	178519	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	87328	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	6280	6.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	13.90%	
35) Dibromofluoromethane	7.89	113	5096	4.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.18%	
50) Toluene-d8	10.33	98	22537	4.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.74%	
62) 4-Bromofluorobenzene	12.62	95	9041	5.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.50%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	2.00	85	4527	4.75	ug/l	100
3) Chloromethane	2.21	50	4579	4.42	ug/l	98
4) Vinyl Chloride	2.36	62	4393	4.04	ug/l	98
5) Bromomethane	2.78	94	2837	4.00	ug/l	99
6) Chloroethane	2.92	64	2323	3.34	ug/l	93
7) Trichlorofluoromethane	3.26	101	8495	5.55	ug/l	99
8) Diethyl Ether	3.69	74	3462	7.39	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.07	101	6168	5.98	ug/l	98
10) Methyl Iodide	4.28	142	4176	2.98	ug/l	95
11) Tert butyl alcohol	5.23	59	2802m	47.36	ug/l	
12) 1,1-Dichloroethene	4.04	96	4957	5.63	ug/l	83
13) Acrolein	3.92	56	1826	29.55	ug/l	96
14) Allyl chloride	4.67	41	8853	7.18	ug/l	98
15) Acrylonitrile	5.38	53	6088	34.04	ug/l	99
16) Acetone	4.15	43	4981	38.18	ug/l	95
17) Carbon Disulfide	4.38	76	15032	5.40	ug/l	98
18) Methyl Acetate	4.69	43	4332	9.67	ug/l	91
19) Methyl tert-butyl Ether	5.43	73	14907	6.84	ug/l	95
20) Methylene Chloride	4.92	84	9999	7.35	ug/l	92
21) trans-1,2-Dichloroethene	5.44	96	6320	6.08	ug/l	90
22) Diisopropyl ether	6.32	45	18336	7.22	ug/l	96
23) Vinyl Acetate	6.26	43	47535	33.23	ug/l	99
24) 1,1-Dichloroethane	6.23	63	10375	6.34	ug/l	97
25) 2-Butanone	7.18	43	8799	40.16	ug/l	91
26) 2,2-Dichloropropane	7.17	77	10184	6.38	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	6703	6.00	ug/l	94
28) Bromochloromethane	7.51	49	4084	7.09	ug/l	# 99
29) Tetrahydrofuran	7.54	42	5206	37.12	ug/l	96
30) Chloroform	7.68	83	12748	7.19	ug/l	98
31) Cyclohexane	7.96	56	12469	7.53	ug/l	# 86
32) 1,1,1-Trichloroethane	7.88	97	10398	6.17	ug/l	99
36) 1,1-Dichloropropene	8.09	75	9014	5.22	ug/l	99
37) Ethyl Acetate	7.26	43	3894	6.60	ug/l	99
38) Carbon Tetrachloride	8.08	117	9070	4.92	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	11048	4.99	ug/l	97
40) Benzene	8.33	78	25254	5.24	ug/l	97
41) Methacrylonitrile	7.49	41	2464	6.77	ug/l #	93
42) 1,2-Dichloroethane	8.40	62	7816	5.96	ug/l	98
43) Isopropyl Acetate	8.43	43	7092	6.18	ug/l	98
44) Trichloroethene	9.10	130	6829	4.60	ug/l	95
45) 1,2-Dichloropropane	9.37	63	6576	5.78	ug/l	98
46) Dibromomethane	9.46	93	3322	5.33	ug/l	99
47) Bromodichloromethane	9.65	83	8770	5.63	ug/l	95
48) Methyl methacrylate	9.45	41	3576	6.40	ug/l	89
49) 1,4-Dioxane	9.47	88	985	104.12	ug/l #	96
51) 4-Methyl-2-Pentanone	10.21	43	19273	33.59	ug/l	98
52) Toluene	10.39	92	16784	4.96	ug/l	97
53) t-1,3-Dichloropropene	10.61	75	7828	5.10	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	9761	5.36	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	4965	5.36	ug/l	96
56) Ethyl methacrylate	10.65	69	5641	5.46	ug/l	95
57) 1,3-Dichloropropane	10.94	76	8048	5.43	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	15064	29.59	ug/l	100
59) 2-Hexanone	10.98	43	12030	30.57	ug/l	97
60) Dibromochloromethane	11.13	129	5005	4.47	ug/l	99
61) 1,2-Dibromoethane	11.24	107	4154	4.75	ug/l	96
64) Tetrachloroethene	10.86	164	5884	4.26	ug/l	86
65) Chlorobenzene	11.66	112	18966	4.82	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	5797	4.56	ug/l	99
67) Ethyl Benzene	11.74	91	34079	5.05	ug/l	100
68) m/p-Xylenes	11.85	106	26531	9.70	ug/l	98
69) o-Xylene	12.17	106	12876	5.04	ug/l	95
70) Styrene	12.18	104	19855	4.85	ug/l	99
71) Bromoform	12.35	173	2533	3.74	ug/l #	100
73) Isopropylbenzene	12.47	105	34199	5.53	ug/l	98
74) N-amyl acetate	12.28	43	6655	6.71	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	5206	6.03	ug/l	95
76) 1,2,3-Trichloropropane	12.77	75	3675m	5.58	ug/l	
77) Bromobenzene	12.75	156	7177	4.72	ug/l	98
78) n-propylbenzene	12.81	91	41048	5.60	ug/l	98
79) 2-Chlorotoluene	12.90	91	24515	5.92	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	29065	5.47	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.52	75	1472	5.58	ug/l	97
82) 4-Chlorotoluene	12.99	91	25437	5.76	ug/l	99
83) tert-Butylbenzene	13.21	119	24841	5.33	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	29071	5.38	ug/l	100
85) sec-Butylbenzene	13.39	105	35862	5.42	ug/l	99
86) p-Isopropyltoluene	13.51	119	31479	5.27	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	15374	4.97	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	15498	5.06	ug/l	94
89) n-Butylbenzene	13.83	91	29092	5.28	ug/l	99
90) Hexachloroethane	14.10	117	4707	4.90	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	14210	5.26	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.49	75	842	5.93	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	8041	4.05	ug/l	97
94) Hexachlorobutadiene	15.24	225	4576	3.73	ug/l	97
95) Naphthalene	15.38	128	14407	4.65	ug/l	98
96) 1,2,3-Trichlorobenzene	15.57	180	6867	4.02	ug/l	99

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

