

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071618\
 Data File : VW003946.D
 Acq On : 16 Jul 2018 12:23
 Operator : VA/AP
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

apatel
 7/17/2018 10:11:00 AM

Quant Time: Jul 16 14:34:15 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W071618S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 16 14:12:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	285130	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	445570	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	404701	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	211428	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	30324	9.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.20%	
35) Dibromofluoromethane	7.88	113	27801	9.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.90%	
50) Toluene-d8	10.33	98	106022	9.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.50%	
62) 4-Bromofluorobenzene	12.62	95	37545	9.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	16681m	11.54	ug/l	
3) Chloromethane	2.20	50	23767	10.35	ug/l	94
4) Vinyl Chloride	2.36	62	31595	10.08	ug/l	100
5) Bromomethane	2.77	94	18365	9.10	ug/l	96
6) Chloroethane	2.92	64	16890	9.14	ug/l	98
7) Trichlorofluoromethane	3.25	101	13763	10.51	ug/l #	81
8) Diethyl Ether	3.67	74	14716	10.33	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.04	101	29631	10.82	ug/l	100
10) Methyl Iodide	4.26	142	40956	10.10	ug/l	99
11) Tert butyl alcohol	5.19	59	11440	55.62	ug/l #	89
12) 1,1-Dichloroethene	4.03	96	29240	10.87	ug/l	93
13) Acrolein	3.89	56	11755	49.76	ug/l	99
14) Allyl chloride	4.65	41	46886	10.02	ug/l	98
15) Acrylonitrile	5.36	53	34646	49.27	ug/l	100
16) Acetone	4.12	43	38756	54.91	ug/l	96
17) Carbon Disulfide	4.37	76	92123	10.60	ug/l	100
18) Methyl Acetate	4.67	43	16516	9.32	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	50949	9.60	ug/l	100
20) Methylene Chloride	4.91	84	55213	11.83	ug/l	96
21) trans-1,2-Dichloroethene	5.40	96	31417	10.16	ug/l	98
22) Diisopropyl ether	6.31	45	94203	9.74	ug/l	97
23) Vinyl Acetate	6.26	43	284867	48.08	ug/l	99
24) 1,1-Dichloroethane	6.21	63	58349	10.07	ug/l	99
25) 2-Butanone	7.18	43	50297	51.19	ug/l	99
26) 2,2-Dichloropropane	7.16	77	36015	10.96	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	33313	9.98	ug/l	99
28) Bromochloromethane	7.51	49	24663	9.80	ug/l	97
29) Tetrahydrofuran	7.54	42	30951	49.86	ug/l	98
30) Chloroform	7.68	83	57769	9.92	ug/l	97
31) Cyclohexane	7.95	56	57367	10.73	ug/l #	92
32) 1,1,1-Trichloroethane	7.87	97	46116	10.20	ug/l	100
36) 1,1-Dichloropropene	8.08	75	47863	10.30	ug/l	99
37) Ethyl Acetate	7.26	43	21104	9.79	ug/l	99
38) Carbon Tetrachloride	8.07	117	44493	10.23	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	54341	10.28	ug/l	94
40) Benzene	8.32	78	130507	10.05	ug/l	100
41) Methacrylonitrile	7.49	41	12428	10.03	ug/l	91
42) 1,2-Dichloroethane	8.40	62	39942	9.98	ug/l	100
43) Isopropyl Acetate	8.43	43	39015	9.60	ug/l	99
44) Trichloroethene	9.09	130	34204	10.32	ug/l	98
45) 1,2-Dichloropropane	9.37	63	33545	10.07	ug/l	95
46) Dibromomethane	9.46	93	17206	10.06	ug/l	99
47) Bromodichloromethane	9.65	83	41780	9.83	ug/l	98
48) Methyl methacrylate	9.44	41	17868	9.18	ug/l	98
49) 1,4-Dioxane	9.46	88	4699	180.61	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	103238	47.78	ug/l	100
52) Toluene	10.39	92	80908	10.01	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	42510	9.76	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	48735	9.78	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	24471	10.12	ug/l	98
56) Ethyl methacrylate	10.65	69	27483	9.08	ug/l	98
57) 1,3-Dichloropropane	10.94	76	41075	9.78	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	68347	48.02	ug/l	100
59) 2-Hexanone	10.98	43	72640	48.55	ug/l	95
60) Dibromochloromethane	11.13	129	26874	9.58	ug/l	100
61) 1,2-Dibromoethane	11.24	107	22421	9.92	ug/l	96
64) Tetrachloroethene	10.87	164	29056	10.09	ug/l	95
65) Chlorobenzene	11.66	112	89264	10.22	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	30678	10.14	ug/l	98
67) Ethyl Benzene	11.74	91	151781	9.98	ug/l	100
68) m/p-Xylenes	11.85	106	117916	20.16	ug/l	99
69) o-Xylene	12.17	106	52806	9.80	ug/l	100
70) Styrene	12.19	104	87537	9.64	ug/l	98
71) Bromoform	12.35	173	16201	9.75	ug/l #	97
73) Isopropylbenzene	12.47	105	150378	10.17	ug/l	100
74) N-amyl acetate	12.28	43	35377	9.35	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	28515	10.11	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	23814m	10.24	ug/l	
77) Bromobenzene	12.76	156	35925	10.15	ug/l	100
78) n-propylbenzene	12.81	91	183762	10.05	ug/l	99
79) 2-Chlorotoluene	12.90	91	104509	10.12	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	126432	10.07	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	9187	10.49	ug/l	99
82) 4-Chlorotoluene	12.99	91	113591	10.21	ug/l	100
83) tert-Butylbenzene	13.21	119	104452	9.97	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	129569	10.00	ug/l	97
85) sec-Butylbenzene	13.39	105	159850	10.21	ug/l	99
86) p-Isopropyltoluene	13.51	119	137846	10.05	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	73306	10.26	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	75104	10.48	ug/l	99
89) n-Butylbenzene	13.83	91	134025	9.93	ug/l	99
90) Hexachloroethane	14.10	117	25205	9.91	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	64371	10.07	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	4960	10.09	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	44892	10.18	ug/l	98
94) Hexachlorobutadiene	15.25	225	26498	10.42	ug/l	100
95) Naphthalene	15.38	128	75725	9.55	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	38913	9.96	ug/l	98

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

