

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071618\
 Data File : VW003945.D
 Acq On : 16 Jul 2018 11:57
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

apatel
 7/17/2018 10:10:55 AM

Quant Time: Jul 16 14:33:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W071618S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 16 14:03:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	289801	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	460602	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	413517	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	213899	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	15150	4.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.12%	
35) Dibromofluoromethane	7.88	113	14150	4.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.82%	
50) Toluene-d8	10.33	98	53900	4.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.78%	
62) 4-Bromofluorobenzene	12.62	95	19091	4.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	7739m	5.42	ug/l	
3) Chloromethane	2.21	50	10643	4.09	ug/l	96
4) Vinyl Chloride	2.36	62	14384	4.17	ug/l	99
5) Bromomethane	2.77	94	8817	3.70	ug/l	86
6) Chloroethane	2.91	64	8118	3.94	ug/l	97
7) Trichlorofluoromethane	3.25	101	7005	5.02	ug/l	89
8) Diethyl Ether	3.66	74	7056	4.79	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.04	101	15186	5.50	ug/l	98
10) Methyl Iodide	4.26	142	19761	4.82	ug/l	98
11) Tert butyl alcohol	5.18	59	4823m	23.20	ug/l	
12) 1,1-Dichloroethene	4.02	96	14270	5.25	ug/l	91
13) Acrolein	3.89	56	6450	25.37	ug/l	100
14) Allyl chloride	4.65	41	24241	5.19	ug/l	99
15) Acrylonitrile	5.37	53	17008	23.60	ug/l	99
16) Acetone	4.12	43	23473	35.43	ug/l	97
17) Carbon Disulfide	4.36	76	42411	4.77	ug/l	98
18) Methyl Acetate	4.67	43	9291	5.14	ug/l	94
19) Methyl tert-butyl Ether	5.42	73	24183	4.38	ug/l	96
20) Methylene Chloride	4.91	84	47984	12.74	ug/l	99
21) trans-1,2-Dichloroethene	5.41	96	15479	4.85	ug/l	89
22) Diisopropyl ether	6.31	45	42806	4.21	ug/l	94
23) Vinyl Acetate	6.25	43	120394	19.28	ug/l	98
24) 1,1-Dichloroethane	6.20	63	28140	4.53	ug/l	99
25) 2-Butanone	7.17	43	23249	22.86	ug/l	98
26) 2,2-Dichloropropane	7.17	77	18246	5.39	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	16138	4.58	ug/l	97
28) Bromochloromethane	7.51	49	12863	4.71	ug/l	99
29) Tetrahydrofuran	7.54	42	13436	20.63	ug/l	98
30) Chloroform	7.67	83	28384	4.51	ug/l	99
31) Cyclohexane	7.95	56	30276	5.50	ug/l	# 83
32) 1,1,1-Trichloroethane	7.87	97	22601	4.70	ug/l	99
36) 1,1-Dichloropropene	8.08	75	22966	4.73	ug/l	100
37) Ethyl Acetate	7.25	43	10003	4.26	ug/l	98
38) Carbon Tetrachloride	8.07	117	21824	4.74	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	25074	4.67	ug/l	92
40) Benzene	8.32	78	64017	4.64	ug/l	99
41) Methacrylonitrile	7.49	41	4902	3.70	ug/l	97
42) 1,2-Dichloroethane	8.40	62	18613	4.20	ug/l	99
43) Isopropyl Acetate	8.43	43	17617	3.98	ug/l	97
44) Trichloroethene	9.09	130	16669	4.77	ug/l	92
45) 1,2-Dichloropropane	9.37	63	15570	4.35	ug/l	97
46) Dibromomethane	9.46	93	7753	4.13	ug/l	97
47) Bromodichloromethane	9.65	83	19843	4.29	ug/l	98
48) Methyl methacrylate	9.44	41	8253	3.92	ug/l	94
49) 1,4-Dioxane	9.45	88	2317	82.27	ug/l #	91
51) 4-Methyl-2-Pentanone	10.21	43	46954	20.54	ug/l	96
52) Toluene	10.39	92	38514	4.51	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	19717	4.26	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	23304	4.45	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	11726	4.50	ug/l	97
56) Ethyl methacrylate	10.65	69	12195	3.83	ug/l	96
57) 1,3-Dichloropropane	10.93	76	19431	4.28	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.93	63	27743	18.84	ug/l	98
59) 2-Hexanone	10.98	43	31784	20.24	ug/l	96
60) Dibromochloromethane	11.13	129	12910	4.25	ug/l	97
61) 1,2-Dibromoethane	11.24	107	10091	4.06	ug/l	93
64) Tetrachloroethene	10.87	164	14388	4.79	ug/l	97
65) Chlorobenzene	11.66	112	44599	4.94	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	14428	4.56	ug/l	97
67) Ethyl Benzene	11.74	91	72270	4.67	ug/l	98
68) m/p-Xylenes	11.84	106	55588	9.39	ug/l	99
69) o-Xylene	12.17	106	25297	4.63	ug/l	100
70) Styrene	12.19	104	40633	4.39	ug/l	100
71) Bromoform	12.35	173	7652	4.39	ug/l #	98
73) Isopropylbenzene	12.47	105	71003	4.91	ug/l	100
74) N-amyl acetate	12.28	43	15690	4.03	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.72	83	13580	4.66	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	9518m	3.93	ug/l	
77) Bromobenzene	12.75	156	17733	4.95	ug/l	96
78) n-propylbenzene	12.81	91	87612	4.83	ug/l	100
79) 2-Chlorotoluene	12.90	91	50462	4.86	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	59604	4.79	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	4095	4.74	ug/l	94
82) 4-Chlorotoluene	12.99	91	55649	4.99	ug/l	99
83) tert-Butylbenzene	13.21	119	49792	4.84	ug/l	96
84) 1,2,4-Trimethylbenzene	13.26	105	61111	4.73	ug/l	100
85) sec-Butylbenzene	13.39	105	75604	4.91	ug/l	99
86) p-Isopropyltoluene	13.51	119	64784	4.82	ug/l	98
87) 1,3-Dichlorobenzene	13.51	146	36377	5.02	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	37849	5.21	ug/l	95
89) n-Butylbenzene	13.83	91	66307	5.01	ug/l	97
90) Hexachloroethane	14.10	117	13012	5.04	ug/l	96
91) 1,2-Dichlorobenzene	13.88	146	32388	4.98	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2458	4.89	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	21645	4.89	ug/l	99
94) Hexachlorobutadiene	15.25	225	13654	5.38	ug/l	97
95) Naphthalene	15.38	128	34455	4.38	ug/l	98
96) 1,2,3-Trichlorobenzene	15.57	180	19486	4.94	ug/l	98

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

