

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110918\
 Data File : VW006782.D
 Acq On : 09 Nov 2018 12:16
 Operator : SY/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
 11/12/2018 3:40:26 PM

Quant Time: Nov 09 14:04:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W110918S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 09 13:58:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	309962	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	410662	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	413295	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	231895	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	12515	4.70	ug/l	0.00
Spiked Amount			Recovery	=	9.40%	
35) Dibromofluoromethane	7.89	113	11926	4.63	ug/l	0.00
Spiked Amount			Recovery	=	9.26%	
50) Toluene-d8	10.33	98	50651	5.16	ug/l	0.00
Spiked Amount			Recovery	=	10.32%	
62) 4-Bromofluorobenzene	12.62	95	18078	5.08	ug/l	0.00
Spiked Amount			Recovery	=	10.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	11175	6.955	ug/l	94
3) Chloromethane	2.22	50	14811	7.450	ug/l	97
4) Vinyl Chloride	2.36	62	15608	5.622	ug/l	96
5) Bromomethane	2.78	94	11790	5.061	ug/l	98
6) Chloroethane	2.92	64	11173	5.760	ug/l	99
7) Trichlorofluoromethane	3.27	101	20176	8.230	ug/l	93
8) Diethyl Ether	3.70	74	5989	4.469	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.07	101	14508	5.542	ug/l	99
10) Methyl Iodide	4.28	142	16830	3.546	ug/l	100
11) Tert butyl alcohol	5.21	59	3678m	25.621	ug/l	
12) 1,1-Dichloroethene	4.05	96	10587	4.187	ug/l	96
13) Acrolein	3.91	56	3677	20.365	ug/l	99
14) Allyl chloride	4.68	41	14591	4.421	ug/l	99
15) Acrylonitrile	5.39	53	10749	22.371	ug/l	97
16) Acetone	4.15	43	9726	22.610	ug/l	94
17) Carbon Disulfide	4.39	76	34248	4.760	ug/l	99
18) Methyl Acetate	4.69	43	6940	5.611	ug/l	96
19) Methyl tert-butyl Ether	5.43	73	25137	6.679	ug/l	97
20) Methylene Chloride	4.93	84	21676	6.472	ug/l	92
21) trans-1,2-Dichloroethene	5.43	96	13314	4.654	ug/l	96
22) Diisopropyl ether	6.32	45	28893	4.199	ug/l	90
23) Vinyl Acetate	6.27	43	76425	20.031	ug/l	98
24) 1,1-Dichloroethane	6.23	63	20658	4.430	ug/l	97
25) 2-Butanone	7.20	43	13303	21.672	ug/l	95
26) 2,2-Dichloropropane	7.17	77	21615	7.695	ug/l	98
27) cis-1,2-Dichloroethene	7.18	96	14001	4.374	ug/l	94
28) Bromochloromethane	7.52	49	7931	4.283	ug/l	97
29) Tetrahydrofuran	7.54	42	8388	21.726	ug/l	97
30) Chloroform	7.68	83	24109	4.716	ug/l	92
31) Cyclohexane	7.96	56	24118	5.683	ug/l #	79
32) 1,1,1-Trichloroethane	7.88	97	22931	5.301	ug/l	98
36) 1,1-Dichloropropene	8.09	75	18918	5.238	ug/l	100
37) Ethyl Acetate	7.27	43	6656	5.318	ug/l #	96
38) Carbon Tetrachloride	8.07	117	21142	5.603	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	22503	4.910	ug/l	98
40) Benzene	8.33	78	53140	5.181	ug/l	96
41) Methacrylonitrile	7.49	41	3492	4.550	ug/l	96
42) 1,2-Dichloroethane	8.41	62	15152	5.151	ug/l	99
43) Isopropyl Acetate	8.43	43	11800	4.725	ug/l	98
44) Trichloroethene	9.10	130	16534	5.223	ug/l	97
45) 1,2-Dichloropropane	9.37	63	12824	5.372	ug/l	92
46) Dibromomethane	9.46	93	6973	4.969	ug/l	95
47) Bromodichloromethane	9.65	83	17520	5.377	ug/l	97
48) Methyl methacrylate	9.45	41	5139	4.271	ug/l	93
49) 1,4-Dioxane	9.47	88	2071	100.845	ug/l #	99
51) 4-Methyl-2-Pentanone	10.21	43	29896	23.309	ug/l	99
52) Toluene	10.39	92	36191	5.260	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	14601	4.656	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	18415	4.970	ug/l	95
55) 1,1,2-Trichloroethane	10.79	97	10670	5.359	ug/l	99
56) Ethyl methacrylate	10.65	69	9596	4.240	ug/l	94
57) 1,3-Dichloropropane	10.94	76	16315	5.046	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	25321	23.018	ug/l	99
59) 2-Hexanone	10.98	43	18832	21.618	ug/l	98
60) Dibromochloromethane	11.13	129	11557	4.899	ug/l	98
61) 1,2-Dibromoethane	11.24	107	9548	4.829	ug/l	99
64) Tetrachloroethene	10.87	164	15908	4.829	ug/l	98
65) Chlorobenzene	11.66	112	44005	5.060	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	12999	4.252	ug/l	96
67) Ethyl Benzene	11.74	91	70553	4.853	ug/l	99
68) m/p-Xylenes	11.85	106	56688	9.761	ug/l	99
69) o-Xylene	12.17	106	25648	4.639	ug/l	99
70) Styrene	12.18	104	39504	4.382	ug/l	98
71) Bromoform	12.35	173	6958	4.294	ug/l #	100
73) Isopropylbenzene	12.47	105	68632	4.493	ug/l	99
74) N-amyl acetate	12.28	43	10377	3.931	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	10520	4.360	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	8069m	4.460	ug/l	
77) Bromobenzene	12.75	156	18907	4.780	ug/l	99
78) n-propylbenzene	12.81	91	82593	4.701	ug/l	99
79) 2-Chlorotoluene	12.90	91	48815	4.841	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	60487	4.713	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	2729	4.380	ug/l	94
82) 4-Chlorotoluene	12.99	91	51188	4.798	ug/l	99
83) tert-Butylbenzene	13.21	119	51437	4.494	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	61703	4.687	ug/l	98
85) sec-Butylbenzene	13.39	105	74846	4.669	ug/l	100
86) p-Isopropyltoluene	13.51	119	66090	4.531	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	39629	5.088	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	40353	5.226	ug/l	96
89) n-Butylbenzene	13.83	91	62920	4.860	ug/l	100
90) Hexachloroethane	14.10	117	10296	4.295	ug/l	95
91) 1,2-Dichlorobenzene	13.88	146	34272	4.891	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	1771	4.524	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	24748	4.750	ug/l	98
94) Hexachlorobutadiene	15.24	225	16912	5.208	ug/l	99
95) Naphthalene	15.38	128	32083	3.832	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	21239	4.639	ug/l	98

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

