

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW012419\
 Data File : VW008402.D
 Acq On : 24 Jan 2019 17:51
 Operator : SY/VA
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

sam
 1/25/2019 1:43:08 PM

Quant Time: Jan 25 11:01:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 25 10:41:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	518878	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	818434	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	730885	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	367537	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	25873	4.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.58%	
35) Dibromofluoromethane	7.88	113	25042	4.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.58%	
50) Toluene-d8	10.32	98	98631	4.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.62%	
62) 4-Bromofluorobenzene	12.62	95	38198	5.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.38%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	2.01	85	10584	3.237	ug/l	94
3) Chloromethane	2.21	50	21469	4.480	ug/l	95
4) Vinyl Chloride	2.36	62	26449	4.319	ug/l	97
5) Bromomethane	2.79	94	18162	3.914	ug/l #	79
6) Chloroethane	2.93	64	16524	4.123	ug/l	96
7) Trichlorofluoromethane	3.25	101	16614	3.695	ug/l	92
8) Diethyl Ether	3.68	74	12986	4.165	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	4.06	101	22911	4.377	ug/l	96
10) Methyl Iodide	4.26	142	34902	4.134	ug/l	95
11) Tert butyl alcohol	5.17	59	11978	32.959	ug/l #	92
12) 1,1-Dichloroethene	4.03	96	22777	4.278	ug/l	95
13) Acrolein	3.89	56	5776	17.528	ug/l	95
14) Allyl chloride	4.66	41	41019	4.609	ug/l	92
15) Acrylonitrile	5.37	53	25525	21.312	ug/l	99
16) Acetone	4.12	43	32446	25.884	ug/l	99
17) Carbon Disulfide	4.38	76	72815	4.495	ug/l	97
18) Methyl Acetate	4.68	43	12978	3.876	ug/l #	87
19) Methyl tert-butyl Ether	5.42	73	37759	4.633	ug/l	98
20) Methylene Chloride	4.91	84	29681	4.459	ug/l	94
21) trans-1,2-Dichloroethene	5.43	96	25580	4.278	ug/l	83
22) Diisopropyl ether	6.32	45	78281	4.505	ug/l	96
23) Vinyl Acetate	6.26	43	225053	24.229	ug/l	99
24) 1,1-Dichloroethane	6.21	63	44495	4.205	ug/l	97
25) 2-Butanone	7.17	43	37106	23.112	ug/l	99
26) 2,2-Dichloropropane	7.17	77	34376	5.091	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	28221	4.356	ug/l	99
28) Bromochloromethane	7.51	49	23093	5.298	ug/l	96
29) Tetrahydrofuran	7.53	42	22320	22.300	ug/l	90
30) Chloroform	7.67	83	43948	4.198	ug/l	98
31) Cyclohexane	7.95	56	53635	5.320	ug/l #	86
32) 1,1,1-Trichloroethane	7.87	97	40054	4.559	ug/l	99
36) 1,1-Dichloropropene	8.08	75	34887	4.237	ug/l	95
37) Ethyl Acetate	7.25	43	16412	4.833	ug/l #	96
38) Carbon Tetrachloride	8.07	117	37322	4.590	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.34	83	47939	4.894	ug/l	96
40) Benzene	8.32	78	99742	4.276	ug/l	98
41) Methacrylonitrile	7.48	41	8888	4.496	ug/l #	85
42) 1,2-Dichloroethane	8.40	62	29414	4.510	ug/l	99
43) Isopropyl Acetate	8.43	43	32225	5.024	ug/l #	95
44) Trichloroethene	9.09	130	28458	4.453	ug/l	94
45) 1,2-Dichloropropane	9.37	63	24739	4.270	ug/l	94
46) Dibromomethane	9.46	93	13162	4.359	ug/l	96
47) Bromodichloromethane	9.64	83	33873	4.548	ug/l	100
48) Methyl methacrylate	9.44	41	15002	4.968	ug/l	97
49) 1,4-Dioxane	9.45	88	4710	96.892	ug/l	94
51) 4-Methyl-2-Pentanone	10.21	43	81968	25.238	ug/l	98
52) Toluene	10.39	92	66577	4.510	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	34462	4.636	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	40398	4.610	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	17803	4.251	ug/l	98
56) Ethyl methacrylate	10.65	69	24713	5.024	ug/l	96
57) 1,3-Dichloropropane	10.93	76	32243	4.434	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.93	63	65204	27.482	ug/l	99
59) 2-Hexanone	10.97	43	55311	24.306	ug/l	97
60) Dibromochloromethane	11.13	129	22847	4.571	ug/l	100
61) 1,2-Dibromoethane	11.24	107	18001	4.438	ug/l	97
64) Tetrachloroethene	10.87	164	24548	4.790	ug/l	95
65) Chlorobenzene	11.66	112	69201	4.341	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.73	131	24512	4.467	ug/l	98
67) Ethyl Benzene	11.73	91	127380	4.602	ug/l	99
68) m/p-Xylenes	11.84	106	99727	9.282	ug/l	98
69) o-Xylene	12.16	106	46749	4.657	ug/l	97
70) Styrene	12.18	104	75916	4.708	ug/l	99
71) Bromoform	12.35	173	13489	4.935	ug/l #	98
73) Isopropylbenzene	12.47	105	129070	4.820	ug/l	99
74) N-amyl acetate	12.27	43	31195	5.436	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.72	83	19763	4.339	ug/l	96
76) 1,2,3-Trichloropropane	12.77	75	14912m	4.455	ug/l	
77) Bromobenzene	12.75	156	29404	4.571	ug/l	94
78) n-propylbenzene	12.80	91	154956	4.781	ug/l	99
79) 2-Chlorotoluene	12.90	91	87852	4.744	ug/l	97
80) 1,3,5-Trimethylbenzene	12.94	105	107629	4.816	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.52	75	7125	5.080	ug/l	95
82) 4-Chlorotoluene	12.99	91	91400	4.723	ug/l	98
83) tert-Butylbenzene	13.21	119	98048	4.985	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	110210	4.841	ug/l	99
85) sec-Butylbenzene	13.39	105	138928	4.920	ug/l	98
86) p-Isopropyltoluene	13.50	119	121747	4.936	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	58684	4.592	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	58661	4.581	ug/l	94
89) n-Butylbenzene	13.83	91	118707	5.017	ug/l	100
90) Hexachloroethane	14.10	117	24198	5.301	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	51578	4.571	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	4404	5.913	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	37881	4.959	ug/l	100
94) Hexachlorobutadiene	15.24	225	24388	5.665	ug/l	97
95) Naphthalene	15.37	128	65491	5.131	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	33085	4.973	ug/l	98

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

