

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW120418\
 Data File : VW007179.D
 Acq On : 04 Dec 2018 11:02
 Operator : SY/AP
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

apatel
 12/5/2018 12:43:26 PM

Quant Time: Dec 05 00:53:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W120418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 05 00:43:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	125202	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	189248	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	175648	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	90240	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	5750	4.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.86%	
35) Dibromofluoromethane	7.88	113	5169	4.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.54%	
50) Toluene-d8	10.32	98	24768	5.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.38%	
62) 4-Bromofluorobenzene	12.62	95	9561	5.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	7829	5.715	ug/l	97
3) Chloromethane	2.22	50	9413	5.426	ug/l	100
4) Vinyl Chloride	2.35	62	5868	5.403	ug/l	100
5) Bromomethane	2.76	94	3036	5.578	ug/l	96
6) Chloroethane	2.92	64	3265	5.358	ug/l #	88
7) Trichlorofluoromethane	3.26	101	10721	5.063	ug/l	93
8) Diethyl Ether	3.68	74	2596	4.398	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.07	101	6553	5.123	ug/l	94
10) Methyl Iodide	4.27	142	5170	4.744	ug/l	97
11) Tert butyl alcohol	5.14	59	5663	41.624	ug/l #	78
12) 1,1-Dichloroethene	4.03	96	6197	5.169	ug/l #	87
13) Acrolein	3.90	56	1924	23.556	ug/l	98
14) Allyl chloride	4.68	41	9453	4.920	ug/l	97
15) Acrylonitrile	5.38	53	5522	22.379	ug/l	98
16) Acetone	4.13	43	6577	23.833	ug/l	99
17) Carbon Disulfide	4.38	76	19578	4.955	ug/l	98
18) Methyl Acetate	4.68	43	2865	4.548	ug/l	96
19) Methyl tert-butyl Ether	5.42	73	13149	4.659	ug/l	93
20) Methylene Chloride	4.92	84	10637	6.482	ug/l	94
21) trans-1,2-Dichloroethene	5.43	96	6567	4.906	ug/l	94
22) Diisopropyl ether	6.31	45	16804	4.872	ug/l	97
23) Vinyl Acetate	6.26	43	43088	22.893	ug/l	100
24) 1,1-Dichloroethane	6.21	63	10685	4.833	ug/l	98
25) 2-Butanone	7.18	43	7476	23.371	ug/l	93
26) 2,2-Dichloropropane	7.17	77	11286	5.312	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	6886	4.799	ug/l	95
28) Bromochloromethane	7.51	49	4072	5.108	ug/l	97
29) Tetrahydrofuran	7.54	42	4352	22.016	ug/l	98
30) Chloroform	7.67	83	11116	4.838	ug/l	93
31) Cyclohexane	7.95	56	13465	5.821	ug/l #	78
32) 1,1,1-Trichloroethane	7.87	97	10971	5.074	ug/l	99
36) 1,1-Dichloropropene	8.09	75	9597	5.212	ug/l	99
37) Ethyl Acetate	7.26	43	3378	5.071	ug/l	98
38) Carbon Tetrachloride	8.07	117	9905	5.270	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	13264	5.381	ug/l	96
40) Benzene	8.32	78	25394	5.029	ug/l	98
41) Methacrylonitrile	7.49	41	1704	4.271	ug/l #	77
42) 1,2-Dichloroethane	8.40	62	6955	4.928	ug/l	98
43) Isopropyl Acetate	8.43	43	6051	4.677	ug/l	96
44) Trichloroethene	9.09	130	7209	5.079	ug/l	97
45) 1,2-Dichloropropane	9.37	63	6081	5.175	ug/l	99
46) Dibromomethane	9.46	93	2950	4.831	ug/l	97
47) Bromodichloromethane	9.65	83	7715	4.804	ug/l	96
48) Methyl methacrylate	9.44	41	2980	4.438	ug/l	94
49) 1,4-Dioxane	9.45	88	1083	101.535	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	15166	23.789	ug/l	100
52) Toluene	10.39	92	18184	5.177	ug/l	95
53) t-1,3-Dichloropropene	10.60	75	7947	4.921	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	9226	4.875	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	4234	4.875	ug/l	92
56) Ethyl methacrylate	10.65	69	5301	4.679	ug/l	98
57) 1,3-Dichloropropane	10.93	76	7255	4.948	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.93	63	11301	24.835	ug/l	97
59) 2-Hexanone	10.97	43	10947	23.687	ug/l	98
60) Dibromochloromethane	11.13	129	5121	4.797	ug/l	95
61) 1,2-Dibromoethane	11.24	107	3932	4.720	ug/l	100
64) Tetrachloroethene	10.87	164	6772	5.277	ug/l	95
65) Chlorobenzene	11.66	112	19862	5.063	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.73	131	5881	4.854	ug/l	97
67) Ethyl Benzene	11.73	91	37299	5.217	ug/l	97
68) m/p-Xylenes	11.84	106	28915	10.309	ug/l	98
69) o-Xylene	12.17	106	13409	5.117	ug/l	99
70) Styrene	12.18	104	22026	5.134	ug/l	99
71) Bromoform	12.35	173	2647	4.365	ug/l #	98
73) Isopropylbenzene	12.47	105	37192	5.067	ug/l	99
74) N-amyl acetate	12.27	43	5987	4.601	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	4497	4.718	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	2682m	2.211	ug/l	
77) Bromobenzene	12.75	156	8011	5.057	ug/l	96
78) n-propylbenzene	12.81	91	46102	5.272	ug/l	97
79) 2-Chlorotoluene	12.90	91	25578	5.180	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	32524	5.180	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	1438	4.436	ug/l	92
82) 4-Chlorotoluene	12.99	91	26573	5.059	ug/l	99
83) tert-Butylbenzene	13.21	119	28565	5.206	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	33924	5.293	ug/l	100
85) sec-Butylbenzene	13.39	105	40642	5.188	ug/l	97
86) p-Isopropyltoluene	13.51	119	36746	5.270	ug/l	98
87) 1,3-Dichlorobenzene	13.51	146	16893	5.194	ug/l	96
88) 1,4-Dichlorobenzene	13.58	146	17074	5.197	ug/l	95
89) n-Butylbenzene	13.83	91	33916	5.205	ug/l	99
90) Hexachloroethane	14.09	117	5299	4.987	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	14264	5.066	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	831	4.500	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	9843	5.045	ug/l	97
94) Hexachlorobutadiene	15.24	225	5328	5.064	ug/l	96
95) Naphthalene	15.38	128	16197	4.632	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	8336	5.067	ug/l	96

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

