

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW120418\
 Data File : VW007181.D
 Acq On : 04 Dec 2018 12:04
 Operator : SY/AP
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

apatel
 12/5/2018 12:43:32 PM

Quant Time: Dec 05 00:58:17 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	113940	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	175997	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	158562	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	82279	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	19951	18.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.62%	
35) Dibromofluoromethane	7.89	113	19002	18.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.72%	
50) Toluene-d8	10.33	98	83013	18.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.40%	
62) 4-Bromofluorobenzene	12.62	95	31697	18.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	27016	21.672	ug/l	99
3) Chloromethane	2.22	50	34603	21.919	ug/l	98
4) Vinyl Chloride	2.36	62	20551	20.792	ug/l	96
5) Bromomethane	2.75	94	9316	18.809	ug/l	98
6) Chloroethane	2.91	64	11195	20.186	ug/l	95
7) Trichlorofluoromethane	3.26	101	40278	20.901	ug/l	96
8) Diethyl Ether	3.68	74	11389	21.202	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.06	101	24293	20.868	ug/l	99
10) Methyl Iodide	4.27	142	18123	18.275	ug/l	99
11) Tert butyl alcohol	5.17	59	12704	102.607	ug/l #	86
12) 1,1-Dichloroethene	4.04	96	22623	20.737	ug/l	96
13) Acrolein	3.90	56	7894	106.200	ug/l	97
14) Allyl chloride	4.67	41	35274	20.172	ug/l	100
15) Acrylonitrile	5.37	53	22985	102.357	ug/l	98
16) Acetone	4.13	43	23489	93.532	ug/l	98
17) Carbon Disulfide	4.38	76	73367	20.402	ug/l	100
18) Methyl Acetate	4.68	43	12185	21.256	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	53127	20.684	ug/l	95
20) Methylene Chloride	4.92	84	31425	21.042	ug/l	93
21) trans-1,2-Dichloroethene	5.43	96	25068	20.579	ug/l	91
22) Diisopropyl ether	6.32	45	64477	20.540	ug/l	99
23) Vinyl Acetate	6.26	43	176433	103.004	ug/l	99
24) 1,1-Dichloroethane	6.22	63	41461	20.607	ug/l	99
25) 2-Butanone	7.18	43	28991	99.586	ug/l	97
26) 2,2-Dichloropropane	7.17	77	38675	20.003	ug/l	100
27) cis-1,2-Dichloroethene	7.18	96	26517	20.306	ug/l	98
28) Bromochloromethane	7.52	49	14944	20.598	ug/l	98
29) Tetrahydrofuran	7.54	42	18684	103.860	ug/l	99
30) Chloroform	7.68	83	42883	20.508	ug/l	99
31) Cyclohexane	7.96	56	43763	20.788	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	39929	20.291	ug/l	99
36) 1,1-Dichloropropene	8.09	75	35916	20.973	ug/l	99
37) Ethyl Acetate	7.26	43	12686	20.479	ug/l	100
38) Carbon Tetrachloride	8.07	117	35286	20.188	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	46798	20.414	ug/l	95
40) Benzene	8.32	78	96479	20.546	ug/l	96
41) Methacrylonitrile	7.49	41	7628	20.559	ug/l	99
42) 1,2-Dichloroethane	8.40	62	26691	20.338	ug/l	99
43) Isopropyl Acetate	8.43	43	24607	20.453	ug/l	100
44) Trichloroethene	9.09	130	27342	20.714	ug/l	98
45) 1,2-Dichloropropane	9.37	63	22854	20.914	ug/l	100
46) Dibromomethane	9.46	93	11875	20.913	ug/l	95
47) Bromodichloromethane	9.65	83	30552	20.455	ug/l	99
48) Methyl methacrylate	9.44	41	11736	18.795	ug/l	91
49) 1,4-Dioxane	9.45	88	3950	398.210	ug/l	93
51) 4-Methyl-2-Pentanone	10.21	43	58730	99.058	ug/l	100
52) Toluene	10.39	92	65767	20.134	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	30542	20.338	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	35593	20.225	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	17363	21.497	ug/l	92
56) Ethyl methacrylate	10.65	69	20949	19.884	ug/l	95
57) 1,3-Dichloropropane	10.93	76	28472	20.880	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	48158	113.799	ug/l	99
59) 2-Hexanone	10.97	43	43754	101.802	ug/l	96
60) Dibromochloromethane	11.13	129	20162	20.310	ug/l	98
61) 1,2-Dibromoethane	11.24	107	16201	20.913	ug/l	97
64) Tetrachloroethene	10.87	164	23747	20.498	ug/l	95
65) Chlorobenzene	11.66	112	71677	20.240	ug/l	90
66) 1,1,1,2-Tetrachloroethane	11.73	131	22892	20.931	ug/l	98
67) Ethyl Benzene	11.73	91	134090	20.775	ug/l	94
68) m/p-Xylenes	11.84	106	107212	42.342	ug/l	99
69) o-Xylene	12.17	106	47956	20.271	ug/l	98
70) Styrene	12.18	104	77915	20.120	ug/l	99
71) Bromoform	12.35	173	11380	20.786	ug/l #	97
73) Isopropylbenzene	12.47	105	129327	19.326	ug/l	98
74) N-amyl acetate	12.27	43	22886	19.289	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	16722	19.240	ug/l	95
76) 1,2,3-Trichloropropane	12.77	75	13524m	12.229	ug/l	
77) Bromobenzene	12.75	156	28522	19.745	ug/l	99
78) n-propylbenzene	12.80	91	157533	19.759	ug/l	98
79) 2-Chlorotoluene	12.90	91	87996	19.545	ug/l	95
80) 1,3,5-Trimethylbenzene	12.95	105	113311	19.793	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.52	75	5466	18.492	ug/l	92
82) 4-Chlorotoluene	12.99	91	98331	20.530	ug/l	96
83) tert-Butylbenzene	13.21	119	98000	19.588	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	119212	20.400	ug/l	99
85) sec-Butylbenzene	13.39	105	146696	20.539	ug/l	96
86) p-Isopropyltoluene	13.51	119	128635	20.232	ug/l	98
87) 1,3-Dichlorobenzene	13.51	146	61764	20.829	ug/l	94
88) 1,4-Dichlorobenzene	13.58	146	60771	20.289	ug/l	96
89) n-Butylbenzene	13.83	91	117671	19.805	ug/l	99
90) Hexachloroethane	14.10	117	18282	18.869	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	51163	19.930	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	3343	19.856	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	35774	20.109	ug/l	99
94) Hexachlorobutadiene	15.24	225	19503	20.329	ug/l	97
95) Naphthalene	15.38	128	62317	19.545	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	29754	19.834	ug/l	99

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

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