

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110218\
 Data File : VW006546.D
 Acq On : 01 Nov 2018 01:13
 Operator : SY/AP
 Sample : VSTDIC075
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC075

Manual Integrations
 APPROVED

apatel
 11/2/2018 3:11:36 PM

Quant Time: Nov 01 03:37:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W110218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 01 03:03:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	283961	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	409518	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	382124	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	217326	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	175326	73.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	147.50%	
35) Dibromofluoromethane	7.88	113	187085	76.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	152.80%	
50) Toluene-d8	10.33	98	726782	77.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	155.60%	
62) 4-Bromofluorobenzene	12.62	95	266189	76.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	152.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	102041	73.465	ug/l	97
3) Chloromethane	2.22	50	128404	71.290	ug/l	99
4) Vinyl Chloride	2.37	62	178150	69.622	ug/l	99
5) Bromomethane	2.79	94	149617	64.616	ug/l	97
6) Chloroethane	2.93	64	124803	68.283	ug/l	97
7) Trichlorofluoromethane	3.26	101	157833	66.907	ug/l	97
8) Diethyl Ether	3.68	74	85173	68.056	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	170604	68.080	ug/l	100
10) Methyl Iodide	4.26	142	306818	72.785	ug/l	100
11) Tert butyl alcohol	5.23	59	45098	290.722	ug/l #	83
12) 1,1-Dichloroethene	4.03	96	165058	69.746	ug/l	98
13) Acrolein	3.90	56	50478	323.815	ug/l	99
14) Allyl chloride	4.67	41	221955	66.400	ug/l	99
15) Acrylonitrile	5.38	53	154100	337.781	ug/l	99
16) Acetone	4.14	43	133190	265.854	ug/l	99
17) Carbon Disulfide	4.38	76	482857	68.317	ug/l	100
18) Methyl Acetate	4.68	43	77305	65.913	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	236248	65.835	ug/l	100
20) Methylene Chloride	4.91	84	186894	67.133	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	190525	72.057	ug/l	97
22) Diisopropyl ether	6.32	45	453467	68.132	ug/l	98
23) Vinyl Acetate	6.26	43	1263179	323.665	ug/l	99
24) 1,1-Dichloroethane	6.21	63	307674	71.321	ug/l	99
25) 2-Butanone	7.18	43	196123	311.803	ug/l	97
26) 2,2-Dichloropropane	7.16	77	178801	59.902	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	210781	72.016	ug/l	99
28) Bromochloromethane	7.51	49	118036	71.047	ug/l	99
29) Tetrahydrofuran	7.54	42	124285	320.930	ug/l	99
30) Chloroform	7.68	83	335171	71.015	ug/l	98
31) Cyclohexane	7.96	56	257462	60.652	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	285475	67.819	ug/l	100
36) 1,1-Dichloropropene	8.09	75	255385	68.155	ug/l	99
37) Ethyl Acetate	7.26	43	89162	64.359	ug/l	99
38) Carbon Tetrachloride	8.07	117	274895	67.388	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	332894	67.174	ug/l	99
40) Benzene	8.32	78	743650	71.780	ug/l	99
41) Methacrylonitrile	7.49	41	50947	61.450	ug/l	94
42) 1,2-Dichloroethane	8.40	62	208930	69.091	ug/l	99
43) Isopropyl Acetate	8.43	43	178932	63.576	ug/l	99
44) Trichloroethene	9.09	130	229217	72.080	ug/l	99
45) 1,2-Dichloropropane	9.37	63	172408	69.820	ug/l	99
46) Dibromomethane	9.46	93	99347	70.389	ug/l	99
47) Bromodichloromethane	9.65	83	244237	71.620	ug/l	100
48) Methyl methacrylate	9.44	41	86523	64.674	ug/l	99
49) 1,4-Dioxane	9.48	88	30388	1408.072	ug/l #	1
51) 4-Methyl-2-Pentanone	10.21	43	456099	321.862	ug/l	100
52) Toluene	10.39	92	500067	72.016	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	236234	69.813	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	278668	71.588	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	141644	71.553	ug/l	96
56) Ethyl methacrylate	10.65	69	166871	69.229	ug/l	97
57) 1,3-Dichloropropane	10.93	76	231611	70.889	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	384825	401.840	ug/l	100
59) 2-Hexanone	10.97	43	312999	310.665	ug/l	100
60) Dibromochloromethane	11.13	129	178319	72.654	ug/l	100
61) 1,2-Dibromoethane	11.24	107	142269	71.967	ug/l	100
64) Tetrachloroethene	10.87	164	221533	74.107	ug/l	99
65) Chlorobenzene	11.66	112	583566	71.252	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	209537	72.207	ug/l	99
67) Ethyl Benzene	11.74	91	982582	69.613	ug/l	99
68) m/p-Xylenes	11.84	106	796002	142.391	ug/l	100
69) o-Xylene	12.17	106	380726	71.431	ug/l	99
70) Styrene	12.18	104	625868	72.134	ug/l	99
71) Bromoform	12.35	173	113785	70.869	ug/l	99
73) Isopropylbenzene	12.47	105	1045579	68.609	ug/l	100
74) N-amyl acetate	12.27	43	178700	61.434	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	157861	68.089	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	99194m	58.982	ug/l	
77) Bromobenzene	12.75	156	265878	70.786	ug/l	99
78) n-propylbenzene	12.81	91	1205933	68.221	ug/l	100
79) 2-Chlorotoluene	12.90	91	685655	68.975	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	890592	69.422	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	45016	66.116	ug/l	99
82) 4-Chlorotoluene	12.99	91	730410	69.874	ug/l	99
83) tert-Butylbenzene	13.21	119	792522	69.012	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	907442	69.693	ug/l	100
85) sec-Butylbenzene	13.39	105	1103740	68.234	ug/l	100
86) p-Isopropyltoluene	13.51	119	1015447	69.343	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	529757	70.880	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	522173	70.217	ug/l	100
89) n-Butylbenzene	13.83	91	900678	67.441	ug/l	99
90) Hexachloroethane	14.10	117	170296	68.998	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	470056	70.488	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	25758	62.986	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	358376	69.791	ug/l	100
94) Hexachlorobutadiene	15.24	225	218961	68.317	ug/l	100
95) Naphthalene	15.38	128	584429	68.689	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	311429	70.020	ug/l	99

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

