

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100322\
 Data File : VX031838.D
 Acq On : 03 Oct 2022 17:03
 Operator : JC/MD
 Sample : VX1003WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1003WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/04/2022
 Supervised By : Mahesh Dadoda 10/06/2022

Quant Time: Oct 04 07:03:23 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100322W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 04 06:59:30 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.556	168	94488	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	142437	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	159974	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	119853	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	88204	52.105	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.220%			
35) Dibromofluoromethane	5.385	113	83028	49.062	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.120%			
50) Toluene-d8	8.647	98	314321	51.920	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.840%			
62) 4-Bromofluorobenzene	11.079	95	115177	52.832	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.660%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	25248	20.669	ug/l	97
3) Chloromethane	1.288	50	24286	18.966	ug/l	98
4) Vinyl Chloride	1.374	62	29893	18.326	ug/l	96
5) Bromomethane	1.611	94	27863	23.893	ug/l	96
6) Chloroethane	1.691	64	28282	19.415	ug/l	98
7) Trichlorofluoromethane	1.886	101	60252	18.100	ug/l	97
8) Diethyl Ether	2.136	74	19850	20.426	ug/l	77
9) 1,1,2-Trichlorotrifluo...	2.331	101	27062	18.819	ug/l	91
10) Methyl Iodide	2.453	142	22239	16.475	ug/l	99
11) Tert butyl alcohol	2.995	59	24533m	104.096	ug/l	
12) 1,1-Dichloroethene	2.319	96	24398	18.477	ug/l	85
13) Acrolein	2.239	56	13175	94.423	ug/l	97
14) Allyl chloride	2.666	41	29855	17.713	ug/l #	93
15) Acrylonitrile	3.068	53	57998	94.212	ug/l	98
16) Acetone	2.392	43	45552	106.032	ug/l	92
17) Carbon Disulfide	2.514	76	62582	18.836	ug/l	99
18) Methyl Acetate	2.709	43	29994	18.942	ug/l #	85
19) Methyl tert-butyl Ether	3.111	73	79425	18.476	ug/l	95
20) Methylene Chloride	2.788	84	28223	19.058	ug/l #	82
21) trans-1,2-Dichloroethene	3.093	96	27943	18.051	ug/l	88
22) Diisopropyl ether	3.757	45	67275	18.824	ug/l #	87
23) Vinyl Acetate	3.721	43	257156	96.191	ug/l #	89
24) 1,1-Dichloroethane	3.611	63	43946	18.297	ug/l	97
25) 2-Butanone	4.562	43	75593	97.319	ug/l #	84
26) 2,2-Dichloropropane	4.477	77	36873	17.982	ug/l	93
27) cis-1,2-Dichloroethene	4.489	96	33185	18.437	ug/l	82
28) Bromochloromethane	4.903	49	18579	19.140	ug/l #	62
29) Tetrahydrofuran	5.013	42	46985	97.967	ug/l #	78
30) Chloroform	5.092	83	53963	18.781	ug/l	92
31) Cyclohexane	5.470	56	37166	18.435	ug/l	86
32) 1,1,1-Trichloroethane	5.385	97	49410	18.121	ug/l	95
36) 1,1-Dichloropropene	5.690	75	36791	17.533	ug/l	95
37) Ethyl Acetate	4.721	43	30335	19.098	ug/l	96
38) Carbon Tetrachloride	5.684	117	45685	17.538	ug/l	92
39) Methylcyclohexane	7.379	83	46605	18.104	ug/l	86
40) Benzene	6.037	78	111329	18.365	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	15727	18.221	ug/l #	88
42) 1,2-Dichloroethane	6.086	62	38802	18.271	ug/l	95
43) Isopropyl Acetate	6.342	43	47005	18.303	ug/l #	89
44) Trichloroethene	7.123	130	34995	17.869	ug/l	84
45) 1,2-Dichloropropane	7.427	63	25489	17.948	ug/l	95
46) Dibromomethane	7.586	93	22220	18.771	ug/l #	89
47) Bromodichloromethane	7.824	83	42346	17.875	ug/l	99
48) Methyl methacrylate	7.696	41	21658	18.845	ug/l #	81
49) 1,4-Dioxane	7.696	88	14870	399.196	ug/l #	85
51) 4-Methyl-2-Pentanone	8.574	43	154342	95.739	ug/l	89
52) Toluene	8.720	92	79531	18.714	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	40128	17.763	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	44385	17.930	ug/l #	88
55) 1,1,2-Trichloroethane	9.153	97	32138	18.973	ug/l	96
56) Ethyl methacrylate	9.116	69	38869	19.846	ug/l #	82
57) 1,3-Dichloropropane	9.311	76	49828	18.942	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	101282	100.352	ug/l #	85
59) 2-Hexanone	9.433	43	116838	99.692	ug/l	89
60) Dibromochloromethane	9.525	129	37413	18.194	ug/l	99
61) 1,2-Dibromoethane	9.610	107	35079	18.650	ug/l	99
64) Tetrachloroethene	9.275	164	36459	18.230	ug/l	94
65) Chlorobenzene	10.079	112	90570	18.672	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	34059	18.242	ug/l	98
67) Ethyl Benzene	10.195	91	149236	18.691	ug/l	94
68) m/p-Xylenes	10.305	106	127541	38.691	ug/l	90
69) o-Xylene	10.640	106	60880	19.170	ug/l	91
70) Styrene	10.652	104	99185	19.215	ug/l	95
71) Bromoform	10.799	173	27341	17.414	ug/l #	99
73) Isopropylbenzene	10.963	105	158077	18.672	ug/l	98
74) N-amyl acetate	10.841	43	38684	19.510	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	11.213	83	45935	19.062	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	39977m	18.333	ug/l	
77) Bromobenzene	11.201	156	41305	18.498	ug/l	85
78) n-propylbenzene	11.305	91	172677	18.661	ug/l	94
79) 2-Chlorotoluene	11.366	91	104800	18.745	ug/l	93
80) 1,3,5-Trimethylbenzene	11.451	105	134750	19.061	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.018	75	11390	17.931	ug/l	99
82) 4-Chlorotoluene	11.457	91	122302	18.952	ug/l	96
83) tert-Butylbenzene	11.713	119	136359	19.083	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	132752	18.868	ug/l	96
85) sec-Butylbenzene	11.890	105	164169	19.085	ug/l	97
86) p-Isopropyltoluene	12.012	119	142301	18.956	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	79801	18.941	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	82673	18.788	ug/l	97
89) n-Butylbenzene	12.335	91	110337	18.608	ug/l	97
90) Hexachloroethane	12.536	117	23214	17.142	ug/l	93
91) 1,2-Dichlorobenzene	12.335	146	78046	18.497	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.945	75	9929	19.594	ug/l	75
93) 1,2,4-Trichlorobenzene	13.591	180	48436	18.756	ug/l	98
94) Hexachlorobutadiene	13.725	225	19305	18.167	ug/l	99
95) Naphthalene	13.774	128	159394	19.815	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	48217	19.255	ug/l	99

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

