

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042123\
 Data File : VX035230.D
 Acq On : 21 Apr 2023 14:53
 Operator : JC/MD
 Sample : VX0421WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0421WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/24/2023
 Supervised By : Mahesh Dadoda 04/24/2023

Quant Time: Apr 22 01:05:14 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032923W.M
 Quant Title : SW846 8260
 QLast Update : Sat Apr 01 01:50:18 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	271020	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	432554	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	382845	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	192239	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	187818	45.314	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 90.620%			
35) Dibromofluoromethane	5.385	113	153589	53.684	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.360%			
50) Toluene-d8	8.647	98	556631	52.711	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 105.420%			
62) 4-Bromofluorobenzene	11.079	95	215669	52.776	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.560%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	64928	24.020	ug/l	96
3) Chloromethane	1.295	50	56376	16.657	ug/l	98
4) Vinyl Chloride	1.374	62	57502	17.159	ug/l	94
5) Bromomethane	1.618	94	36607	16.811	ug/l	99
6) Chloroethane	1.691	64	32981	15.127	ug/l	98
7) Trichlorofluoromethane	1.886	101	88678	16.461	ug/l	97
8) Diethyl Ether	2.130	74	34239	18.028	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.331	101	59671	21.192	ug/l	96
10) Methyl Iodide	2.453	142	61012	17.400	ug/l	99
11) Tert butyl alcohol	3.008	59	66361	91.252	ug/l #	83
12) 1,1-Dichloroethene	2.319	96	55626	19.993	ug/l	98
13) Acrolein	2.239	56	59284	79.192	ug/l	99
14) Allyl chloride	2.666	41	101521	18.625	ug/l	97
15) Acrylonitrile	3.069	53	170981	104.451	ug/l	99
16) Acetone	2.392	43	164298	97.577	ug/l	99
17) Carbon Disulfide	2.514	76	128925	18.502	ug/l	100
18) Methyl Acetate	2.703	43	124840	20.867	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	207030	20.097	ug/l	98
20) Methylene Chloride	2.788	84	66710	20.077	ug/l	94
21) trans-1,2-Dichloroethene	3.093	96	61696	20.332	ug/l	96
22) Diisopropyl ether	3.757	45	215568	19.600	ug/l	96
23) Vinyl Acetate	3.721	43	774019	98.677	ug/l	99
24) 1,1-Dichloroethane	3.605	63	114662	19.376	ug/l	100
25) 2-Butanone	4.562	43	241018	98.404	ug/l	97
26) 2,2-Dichloropropane	4.471	77	88435	18.172	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	72889	20.272	ug/l	96
28) Bromochloromethane	4.898	49	67885	23.451	ug/l	90
29) Tetrahydrofuran	5.013	42	152309	99.265	ug/l	98
30) Chloroform	5.093	83	115703	19.250	ug/l	96
31) Cyclohexane	5.471	56	104644	20.734	ug/l	98
32) 1,1,1-Trichloroethane	5.379	97	99242	19.349	ug/l	98
36) 1,1-Dichloropropene	5.690	75	85170	20.094	ug/l	97
37) Ethyl Acetate	4.715	43	91198	20.577	ug/l	96
38) Carbon Tetrachloride	5.678	117	83044	20.781	ug/l	97
39) Methylcyclohexane	7.379	83	111130	24.690	ug/l	97
40) Benzene	6.038	78	258746	21.265	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	51085	21.194	ug/l	97
42) 1,2-Dichloroethane	6.086	62	94874	19.613	ug/l	98
43) Isopropyl Acetate	6.336	43	149679	20.186	ug/l	97
44) Trichloroethene	7.123	130	69143	22.261	ug/l	99
45) 1,2-Dichloropropane	7.428	63	68542	21.618	ug/l	99
46) Dibromomethane	7.580	93	45798	20.993	ug/l	94
47) Bromodichloromethane	7.824	83	84788	21.041	ug/l	99
48) Methyl methacrylate	7.690	41	74249	20.390	ug/l	94
49) 1,4-Dioxane	7.720	88	30942	412.323	ug/l	96
51) 4-Methyl-2-Pentanone	8.574	43	466824	106.378	ug/l	98
52) Toluene	8.720	92	164227	20.701	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	89379	20.618	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	102537	21.614	ug/l	93
55) 1,1,2-Trichloroethane	9.153	97	67152	22.364	ug/l	96
56) Ethyl methacrylate	9.116	69	105182	22.358	ug/l	91
57) 1,3-Dichloropropane	9.305	76	116608	21.929	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.238	63	245759	102.596	ug/l	97
59) 2-Hexanone	9.427	43	346745	104.467	ug/l	96
60) Dibromochloromethane	9.519	129	65071	22.750	ug/l	96
61) 1,2-Dibromoethane	9.610	107	70181	22.477	ug/l	100
64) Tetrachloroethene	9.275	164	61959	22.614	ug/l	96
65) Chlorobenzene	10.080	112	178224	22.374	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	61962	22.622	ug/l	97
67) Ethyl Benzene	10.195	91	313251	21.708	ug/l	99
68) m/p-Xylenes	10.299	106	243204	44.122	ug/l	100
69) o-Xylene	10.640	106	119412	22.114	ug/l	100
70) Styrene	10.653	104	196226	22.764	ug/l	98
71) Bromoform	10.799	173	42785	22.967	ug/l #	99
73) Isopropylbenzene	10.964	105	309676	21.992	ug/l	99
74) N-amyl acetate	10.842	43	124208	19.618	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.213	83	98993	21.449	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	81445m	21.026	ug/l	
77) Bromobenzene	11.195	156	76083	21.806	ug/l	94
78) n-propylbenzene	11.305	91	361097	22.198	ug/l	99
79) 2-Chlorotoluene	11.366	91	217928	21.218	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	266997	22.677	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.018	75	24141	18.678	ug/l	91
82) 4-Chlorotoluene	11.451	91	247574	20.758	ug/l	97
83) tert-Butylbenzene	11.713	119	260262	23.540	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	265741	22.195	ug/l	100
85) sec-Butylbenzene	11.890	105	322951	24.010	ug/l	100
86) p-Isopropyltoluene	12.006	119	276720	24.673	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	142811	22.475	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	147540	22.231	ug/l	99
89) n-Butylbenzene	12.329	91	232632	23.740	ug/l	98
90) Hexachloroethane	12.536	117	40037	23.040	ug/l	93
91) 1,2-Dichlorobenzene	12.335	146	143625	22.569	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	19916	20.674	ug/l	89
93) 1,2,4-Trichlorobenzene	13.585	180	93599	26.004	ug/l	98
94) Hexachlorobutadiene	13.725	225	38375	24.240	ug/l	97
95) Naphthalene	13.774	128	296592	23.190	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	90583	24.956	ug/l	99

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

