

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042823\
 Data File : VX035383.D
 Acq On : 28 Apr 2023 12:11
 Operator : JC/MD
 Sample : VX0428WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0428WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/28/2023
 Supervised By : Mahesh Dadoda 05/01/2023

Quant Time: Apr 28 15:40:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042523W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 16:31:40 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	273499	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	421752	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	370293	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	186508	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	171195	51.883	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.760%			
35) Dibromofluoromethane	5.379	113	140142	54.138	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.280%			
50) Toluene-d8	8.647	98	514177	52.655	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 105.320%			
62) 4-Bromofluorobenzene	11.079	95	197383	53.733	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 107.460%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	57508	19.872	ug/l	99
3) Chloromethane	1.294	50	44253	16.809	ug/l	97
4) Vinyl Chloride	1.374	62	46940	17.777	ug/l	100
5) Bromomethane	1.618	94	31889	18.171	ug/l	99
6) Chloroethane	1.691	64	27393	17.738	ug/l	99
7) Trichlorofluoromethane	1.892	101	81410	19.716	ug/l	98
8) Diethyl Ether	2.130	74	28039	18.624	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.331	101	53777	19.499	ug/l	95
10) Methyl Iodide	2.453	142	56313	16.179	ug/l	98
11) Tert butyl alcohol	3.020	59	59068	98.317	ug/l #	92
12) 1,1-Dichloroethene	2.319	96	49894	18.783	ug/l	96
13) Acrolein	2.239	56	55040	93.156	ug/l	97
14) Allyl chloride	2.666	41	86174	18.434	ug/l	97
15) Acrylonitrile	3.069	53	143127	95.250	ug/l	99
16) Acetone	2.398	43	139840	97.581	ug/l	98
17) Carbon Disulfide	2.514	76	113644	17.846	ug/l	99
18) Methyl Acetate	2.703	43	108028	19.494	ug/l	96
19) Methyl tert-butyl Ether	3.111	73	183642	20.151	ug/l	98
20) Methylene Chloride	2.788	84	57972	17.642	ug/l	92
21) trans-1,2-Dichloroethene	3.093	96	52699	18.267	ug/l	97
22) Diisopropyl ether	3.757	45	180252	19.485	ug/l	95
23) Vinyl Acetate	3.721	43	636613	100.119	ug/l	98
24) 1,1-Dichloroethane	3.605	63	99180	19.034	ug/l	99
25) 2-Butanone	4.568	43	199858	95.547	ug/l	98
26) 2,2-Dichloropropane	4.471	77	80180	19.641	ug/l	100
27) cis-1,2-Dichloroethene	4.489	96	65446	19.299	ug/l	93
28) Bromochloromethane	4.897	49	46761	21.059	ug/l	83
29) Tetrahydrofuran	5.007	42	124006	92.480	ug/l	95
30) Chloroform	5.093	83	105015	19.964	ug/l	98
31) Cyclohexane	5.471	56	89415	19.103	ug/l	96
32) 1,1,1-Trichloroethane	5.379	97	90116	19.548	ug/l	96
36) 1,1-Dichloropropene	5.690	75	76690	18.973	ug/l	98
37) Ethyl Acetate	4.715	43	72689	19.690	ug/l	95
38) Carbon Tetrachloride	5.678	117	78940	20.573	ug/l	96
39) Methylcyclohexane	7.379	83	93525	19.009	ug/l	97
40) Benzene	6.038	78	227145	19.590	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	42130	19.917	ug/l	98
42) 1,2-Dichloroethane	6.086	62	84420	20.420	ug/l	98
43) Isopropyl Acetate	6.336	43	122385	19.730	ug/l	94
44) Trichloroethene	7.123	130	63129	19.764	ug/l	96
45) 1,2-Dichloropropane	7.428	63	57647	19.720	ug/l	96
46) Dibromomethane	7.580	93	40448	20.149	ug/l	93
47) Bromodichloromethane	7.818	83	75940	20.532	ug/l	95
48) Methyl methacrylate	7.690	41	62130	20.419	ug/l	92
49) 1,4-Dioxane	7.732	88	29796	401.729	ug/l #	80
51) 4-Methyl-2-Pentanone	8.574	43	384781	100.966	ug/l	96
52) Toluene	8.720	92	146580	19.944	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	81486	21.096	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	90408	20.708	ug/l #	90
55) 1,1,2-Trichloroethane	9.153	97	59327	20.248	ug/l	99
56) Ethyl methacrylate	9.116	69	91289	20.916	ug/l	89
57) 1,3-Dichloropropane	9.311	76	101733	20.300	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	214341	98.213	ug/l	95
59) 2-Hexanone	9.427	43	287663	100.476	ug/l	94
60) Dibromochloromethane	9.519	129	58983	21.011	ug/l	99
61) 1,2-Dibromoethane	9.610	107	61330	20.305	ug/l	99
64) Tetrachloroethene	9.275	164	57479	20.273	ug/l	99
65) Chlorobenzene	10.079	112	157220	19.625	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	58330	20.921	ug/l	99
67) Ethyl Benzene	10.195	91	280118	20.190	ug/l	99
68) m/p-Xylenes	10.299	106	216624	40.748	ug/l	100
69) o-Xylene	10.640	106	106298	20.391	ug/l	99
70) Styrene	10.653	104	174301	20.621	ug/l	98
71) Bromoform	10.799	173	41215	21.252	ug/l #	100
73) Isopropylbenzene	10.963	105	279381	20.492	ug/l	100
74) N-amyl acetate	10.842	43	104395	20.376	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.213	83	86921	20.541	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	71128m	19.118	ug/l	
77) Bromobenzene	11.201	156	69180	20.413	ug/l	91
78) n-propylbenzene	11.305	91	316345	20.203	ug/l	100
79) 2-Chlorotoluene	11.366	91	193906	19.818	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	236875	20.606	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	21946	19.105	ug/l	95
82) 4-Chlorotoluene	11.457	91	221443	20.151	ug/l	97
83) tert-Butylbenzene	11.713	119	233743	20.265	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	240072	20.784	ug/l	99
85) sec-Butylbenzene	11.890	105	285063	20.148	ug/l	100
86) p-Isopropyltoluene	12.006	119	244747	20.339	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	130387	20.245	ug/l	100
88) 1,4-Dichlorobenzene	12.043	146	129870	19.232	ug/l	99
89) n-Butylbenzene	12.335	91	199017	19.592	ug/l	99
90) Hexachloroethane	12.536	117	35949	19.516	ug/l	87
91) 1,2-Dichlorobenzene	12.335	146	129837	20.156	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	17715	20.877	ug/l	85
93) 1,2,4-Trichlorobenzene	13.585	180	82709	20.427	ug/l	99
94) Hexachlorobutadiene	13.725	225	34880	19.628	ug/l	99
95) Naphthalene	13.774	128	271173	21.755	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	83009	20.366	ug/l	98

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

