

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX013023\
 Data File : VX033941.D
 Acq On : 30 Jan 2023 13:09
 Operator : JC/MD
 Sample : VX0130WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0130WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/31/2023
 Supervised By : Semsettin Yesilyurt 01/31/2023

Quant Time: Jan 31 04:43:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011123W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 11 14:48:42 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	152836	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	213222	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	191244	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	104852	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	71810	44.624	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	89.240%		
35) Dibromofluoromethane	5.385	113	67777	51.191	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	102.380%		
50) Toluene-d8	8.647	98	231046	47.895	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	95.780%		
62) 4-Bromofluorobenzene	11.079	95	89760	50.115	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	100.240%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	20399	16.890	ug/l	98
3) Chloromethane	1.294	50	24022	18.004	ug/l	99
4) Vinyl Chloride	1.374	62	24223	18.709	ug/l	97
5) Bromomethane	1.611	94	14293	19.214	ug/l	99
6) Chloroethane	1.691	64	15012	18.755	ug/l	99
7) Trichlorofluoromethane	1.892	101	37631	17.923	ug/l	99
8) Diethyl Ether	2.130	74	15977	23.240	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.331	101	24999	21.082	ug/l	93
10) Methyl Iodide	2.453	142	32707	19.266	ug/l	93
11) Tert butyl alcohol	2.959	59	22150	79.234	ug/l #	82
12) 1,1-Dichloroethene	2.318	96	22958	18.461	ug/l	88
13) Acrolein	2.233	56	32754	126.987	ug/l	99
14) Allyl chloride	2.666	41	40208	17.142	ug/l	89
15) Acrylonitrile	3.056	53	71845	97.652	ug/l	99
16) Acetone	2.373	43	64411	102.846	ug/l	93
17) Carbon Disulfide	2.514	76	47233	16.283	ug/l	98
18) Methyl Acetate	2.696	43	43703	19.460	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	78615	18.201	ug/l	98
20) Methylene Chloride	2.788	84	26342	17.182	ug/l	93
21) trans-1,2-Dichloroethene	3.093	96	24163	16.621	ug/l	98
22) Diisopropyl ether	3.757	45	84679	17.943	ug/l	96
23) Vinyl Acetate	3.715	43	319208	89.851	ug/l	99
24) 1,1-Dichloroethane	3.605	63	45243	17.523	ug/l	98
25) 2-Butanone	4.550	43	94708	90.074	ug/l	97
26) 2,2-Dichloropropane	4.477	77	31582	17.076	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	30330	18.146	ug/l	95
28) Bromochloromethane	4.897	49	23976	20.386	ug/l	95
29) Tetrahydrofuran	5.001	42	61646	93.024	ug/l	98
30) Chloroform	5.092	83	47334	17.899	ug/l	99
31) Cyclohexane	5.470	56	39112	16.517	ug/l	97
32) 1,1,1-Trichloroethane	5.385	97	40089	17.755	ug/l	99
36) 1,1-Dichloropropene	5.696	75	32910	17.031	ug/l	97
37) Ethyl Acetate	4.708	43	36662	18.058	ug/l	99
38) Carbon Tetrachloride	5.672	117	36129	18.053	ug/l	92
39) Methylcyclohexane	7.379	83	40938	17.156	ug/l	96
40) Benzene	6.037	78	101451	18.013	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	21301	20.004	ug/l	97
42) 1,2-Dichloroethane	6.086	62	36659	18.366	ug/l	99
43) Isopropyl Acetate	6.336	43	56886	18.648	ug/l	98
44) Trichloroethene	7.122	130	30515	19.375	ug/l	100
45) 1,2-Dichloropropane	7.427	63	27220	19.293	ug/l	96
46) Dibromomethane	7.580	93	18797	19.074	ug/l	97
47) Bromodichloromethane	7.817	83	35816	18.858	ug/l	95
48) Methyl methacrylate	7.689	41	29158	18.975	ug/l	96
49) 1,4-Dioxane	7.665	88	12104	356.099	ug/l #	97
51) 4-Methyl-2-Pentanone	8.573	43	190283	101.567	ug/l	100
52) Toluene	8.720	92	67384	18.526	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	35290	18.580	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	40554	19.055	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	29391	20.414	ug/l	99
56) Ethyl methacrylate	9.116	69	40176	19.828	ug/l	97
57) 1,3-Dichloropropane	9.305	76	46630	19.974	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	98635	98.845	ug/l	99
59) 2-Hexanone	9.427	43	138706	106.373	ug/l	99
60) Dibromochloromethane	9.518	129	30969	20.748	ug/l	99
61) 1,2-Dibromoethane	9.610	107	30457	21.197	ug/l	99
64) Tetrachloroethene	9.275	164	28110	19.963	ug/l	99
65) Chlorobenzene	10.079	112	76446	19.309	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	29061	19.945	ug/l	100
67) Ethyl Benzene	10.195	91	125883	18.519	ug/l	97
68) m/p-Xylenes	10.299	106	103734	39.015	ug/l	97
69) o-Xylene	10.640	106	51322	19.464	ug/l	99
70) Styrene	10.652	104	85294	19.890	ug/l	99
71) Bromoform	10.799	173	24428	20.008	ug/l #	97
73) Isopropylbenzene	10.963	105	134324	17.853	ug/l	99
74) N-amyl acetate	10.841	43	47840	17.375	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	43112	19.305	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	33836m	17.563	ug/l	
77) Bromobenzene	11.195	156	36909	18.384	ug/l	97
78) n-propylbenzene	11.305	91	147738	17.267	ug/l	98
79) 2-Chlorotoluene	11.366	91	89166	17.345	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	112679	17.859	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	10844	17.494	ug/l	97
82) 4-Chlorotoluene	11.451	91	104010	17.741	ug/l	98
83) tert-Butylbenzene	11.713	119	116207	18.550	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	112016	18.769	ug/l	100
85) sec-Butylbenzene	11.890	105	140028	18.688	ug/l	99
86) p-Isopropyltoluene	12.006	119	122933	19.163	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	67205	18.969	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	68383	18.948	ug/l	99
89) n-Butylbenzene	12.335	91	97073	18.497	ug/l	99
90) Hexachloroethane	12.536	117	19371	18.357	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	67124	19.634	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	8100	18.931	ug/l	93
93) 1,2,4-Trichlorobenzene	13.585	180	47220	20.505	ug/l	98
94) Hexachlorobutadiene	13.725	225	22325	19.791	ug/l	99
95) Naphthalene	13.774	128	136937	20.669	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	47353	20.550	ug/l	100

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

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