

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX053023\
 Data File : VX035899.D
 Acq On : 30 May 2023 12:30
 Operator : JC/MD
 Sample : VX0530WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0530WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/30/2023
 Supervised By : Mahesh Dadoda 05/31/2023

Quant Time: May 30 16:31:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X052623W.M
 Quant Title : SW846 8260
 QLast Update : Mon May 29 07:45:36 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	205246	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	353135	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	320615	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	155074	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	170308	46.694	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	93.380%		
35) Dibromofluoromethane	5.379	113	118175	48.718	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.440%		
50) Toluene-d8	8.647	98	430167	48.321	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.640%		
62) 4-Bromofluorobenzene	11.079	95	172022	49.045	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.100%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	49902	18.282	ug/l	98
3) Chloromethane	1.295	50	50432	17.920	ug/l	98
4) Vinyl Chloride	1.374	62	49307	18.239	ug/l	98
5) Bromomethane	1.612	94	30266	18.682	ug/l	100
6) Chloroethane	1.691	64	28495	18.864	ug/l	100
7) Trichlorofluoromethane	1.886	101	76240	18.793	ug/l	98
8) Diethyl Ether	2.130	74	29348	19.699	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.325	101	44992	18.711	ug/l	98
10) Methyl Iodide	2.453	142	43071	17.657	ug/l	98
11) Tert butyl alcohol	3.014	59	60189m	94.763	ug/l	
12) 1,1-Dichloroethene	2.319	96	41719	18.510	ug/l	98
13) Acrolein	2.239	56	65087	103.336	ug/l	100
14) Allyl chloride	2.666	41	84350	18.944	ug/l	99
15) Acrylonitrile	3.062	53	135476	93.248	ug/l	100
16) Acetone	2.392	43	142555	96.812	ug/l	98
17) Carbon Disulfide	2.514	76	96865	18.555	ug/l	98
18) Methyl Acetate	2.703	43	107885	18.975	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	168512	19.392	ug/l	99
20) Methylene Chloride	2.788	84	50861	18.416	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	46233	18.608	ug/l	98
22) Diisopropyl ether	3.757	45	171370	19.167	ug/l	97
23) Vinyl Acetate	3.721	43	610682	98.049	ug/l	99
24) 1,1-Dichloroethane	3.611	63	93561	18.962	ug/l	97
25) 2-Butanone	4.562	43	205021	96.257	ug/l	100
26) 2,2-Dichloropropane	4.471	77	75455	19.831	ug/l	100
27) cis-1,2-Dichloroethene	4.489	96	54720	18.934	ug/l	99
28) Bromochloromethane	4.891	49	49137	20.551	ug/l	98
29) Tetrahydrofuran	5.007	42	130293	94.552	ug/l	99
30) Chloroform	5.087	83	96698	19.103	ug/l	99
31) Cyclohexane	5.464	56	78970	18.229	ug/l	97
32) 1,1,1-Trichloroethane	5.385	97	85469	19.541	ug/l	99
36) 1,1-Dichloropropene	5.690	75	69080	18.755	ug/l	98
37) Ethyl Acetate	4.709	43	77615	19.466	ug/l	99
38) Carbon Tetrachloride	5.672	117	68607	19.762	ug/l	99
39) Methylcyclohexane	7.379	83	81097	19.296	ug/l	95
40) Benzene	6.038	78	199615	19.349	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	43421	19.130	ug/l	98
42) 1,2-Dichloroethane	6.086	62	86496	19.849	ug/l	100
43) Isopropyl Acetate	6.336	43	126397	19.782	ug/l	99
44) Trichloroethene	7.123	130	49370	19.211	ug/l	91
45) 1,2-Dichloropropane	7.428	63	52053	19.133	ug/l	98
46) Dibromomethane	7.580	93	36874	19.739	ug/l	98
47) Bromodichloromethane	7.824	83	70197	20.161	ug/l	96
48) Methyl methacrylate	7.690	41	62998	19.208	ug/l	99
49) 1,4-Dioxane	7.714	88	27006	385.839	ug/l #	79
51) 4-Methyl-2-Pentanone	8.574	43	393919	99.039	ug/l	99
52) Toluene	8.714	92	126296	19.492	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	73172	20.350	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	81242	20.700	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	52712	20.521	ug/l	98
56) Ethyl methacrylate	9.116	69	78665	19.450	ug/l	99
57) 1,3-Dichloropropane	9.305	76	91036	19.538	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	208994	97.667	ug/l	99
59) 2-Hexanone	9.427	43	300339	99.904	ug/l	99
60) Dibromochloromethane	9.519	129	49091	20.887	ug/l	100
61) 1,2-Dibromoethane	9.610	107	53104	19.632	ug/l	100
64) Tetrachloroethene	9.275	164	41121	18.948	ug/l	100
65) Chlorobenzene	10.080	112	131291	19.236	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	46774	19.974	ug/l	98
67) Ethyl Benzene	10.195	91	247110	19.513	ug/l	99
68) m/p-Xylenes	10.299	106	184294	39.334	ug/l	99
69) o-Xylene	10.640	106	91867	19.736	ug/l	97
70) Styrene	10.653	104	149573	19.561	ug/l	99
71) Bromoform	10.799	173	31202	20.608	ug/l #	100
73) Isopropylbenzene	10.964	105	242849	19.308	ug/l	99
74) N-amyl acetate	10.842	43	106102	19.396	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	80100	19.485	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	77243m	19.960	ug/l	
77) Bromobenzene	11.195	156	55065	19.410	ug/l	100
78) n-propylbenzene	11.305	91	287067	19.583	ug/l	100
79) 2-Chlorotoluene	11.366	91	173468	18.666	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	207877	19.399	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	19923	21.171	ug/l	95
82) 4-Chlorotoluene	11.451	91	202254	19.126	ug/l	99
83) tert-Butylbenzene	11.713	119	196971	19.148	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	207941	19.377	ug/l	99
85) sec-Butylbenzene	11.890	105	246461	19.172	ug/l	99
86) p-Isopropyltoluene	12.006	119	207059	19.263	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	105218	19.432	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	106258	19.050	ug/l	99
89) n-Butylbenzene	12.329	91	183472	19.419	ug/l	100
90) Hexachloroethane	12.536	117	30653	19.711	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	105716	19.766	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	17430	20.261	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	61578	19.582	ug/l	99
94) Hexachlorobutadiene	13.725	225	25708	20.389	ug/l	97
95) Naphthalene	13.774	128	217625	19.919	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	60978	19.458	ug/l	100

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

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