

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112223\
 Data File : VX039003.D
 Acq On : 22 Nov 2023 15:23
 Operator : JC/MD
 Sample : VX1122WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1122WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/24/2023
 Supervised By : Mahesh Dadoda 11/24/2023

Quant Time: Nov 23 01:33:39 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111623W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 16 22:59:22 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	113286	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	205225	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	193798	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	99992	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	95770	52.464	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.920%			
35) Dibromofluoromethane	5.385	113	73520	49.602	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.200%			
50) Toluene-d8	8.647	98	273698	48.264	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 96.520%			
62) 4-Bromofluorobenzene	11.079	95	110502	48.677	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 97.360%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	25562	19.338	ug/l	96
3) Chloromethane	1.294	50	27862	16.149	ug/l	96
4) Vinyl Chloride	1.374	62	28750	17.299	ug/l	98
5) Bromomethane	1.605	94	20328	29.584	ug/l	98
6) Chloroethane	1.685	64	18087	19.071	ug/l	99
7) Trichlorofluoromethane	1.886	101	41823	19.832	ug/l	96
8) Diethyl Ether	2.130	74	17587	19.147	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.331	101	26177	18.717	ug/l	94
10) Methyl Iodide	2.453	142	28162	16.544	ug/l	94
11) Tert butyl alcohol	2.953	59	54777	107.891	ug/l #	93
12) 1,1-Dichloroethene	2.319	96	24810	17.571	ug/l	98
13) Acrolein	2.233	56	27703	103.135	ug/l	99
14) Allyl chloride	2.666	41	52254	18.484	ug/l	96
15) Acrylonitrile	3.062	53	105244	98.103	ug/l	98
16) Acetone	2.373	43	114271	117.593	ug/l	92
17) Carbon Disulfide	2.514	76	64064	14.648	ug/l	100
18) Methyl Acetate	2.703	43	96181	20.838	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	100115	20.159	ug/l	99
20) Methylene Chloride	2.788	84	30950	17.668	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	27194	17.455	ug/l	96
22) Diisopropyl ether	3.757	45	102437	19.752	ug/l	96
23) Vinyl Acetate	3.721	43	370631	99.230	ug/l	100
24) 1,1-Dichloroethane	3.611	63	53944	18.600	ug/l	98
25) 2-Butanone	4.550	43	164474	104.374	ug/l	99
26) 2,2-Dichloropropane	4.471	77	48042	19.097	ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	32941	18.139	ug/l	98
28) Bromochloromethane	4.897	49	28185	20.242	ug/l	95
29) Tetrahydrofuran	4.995	42	101117	101.061	ug/l	98
30) Chloroform	5.092	83	55422	19.571	ug/l	91
31) Cyclohexane	5.470	56	45502	17.459	ug/l	95
32) 1,1,1-Trichloroethane	5.379	97	47898	19.527	ug/l	100
36) 1,1-Dichloropropene	5.696	75	39809	18.740	ug/l	99
37) Ethyl Acetate	4.708	43	55011	19.876	ug/l	96
38) Carbon Tetrachloride	5.678	117	39214	19.973	ug/l	97
39) Methylcyclohexane	7.379	83	48023	17.331	ug/l	96
40) Benzene	6.037	78	116308	18.511	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	29624	20.638	ug/l	93
42) 1,2-Dichloroethane	6.080	62	46245	22.215	ug/l	99
43) Isopropyl Acetate	6.336	43	90075	20.365	ug/l	99
44) Trichloroethene	7.123	130	29719	19.432	ug/l	97
45) 1,2-Dichloropropane	7.427	63	32711	19.346	ug/l	98
46) Dibromomethane	7.580	93	22952	20.355	ug/l	97
47) Bromodichloromethane	7.824	83	44872	20.050	ug/l	99
48) Methyl methacrylate	7.696	41	42846	19.965	ug/l	95
49) 1,4-Dioxane	7.659	88	17480	421.021	ug/l #	98
51) 4-Methyl-2-Pentanone	8.574	43	303591	107.404	ug/l	100
52) Toluene	8.720	92	73727	18.909	ug/l	95
53) t-1,3-Dichloropropene	8.976	75	50557	19.010	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	53832	19.596	ug/l	93
55) 1,1,2-Trichloroethane	9.153	97	32359	19.890	ug/l	93
56) Ethyl methacrylate	9.116	69	54918	19.951	ug/l	97
57) 1,3-Dichloropropane	9.305	76	53939	20.047	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	127779	99.650	ug/l	94
59) 2-Hexanone	9.427	43	239998	105.931	ug/l	97
60) Dibromochloromethane	9.518	129	32596	19.705	ug/l	100
61) 1,2-Dibromoethane	9.610	107	34563	20.246	ug/l	100
64) Tetrachloroethene	9.275	164	23153	19.220	ug/l	95
65) Chlorobenzene	10.079	112	80267	19.227	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	29675	19.761	ug/l	98
67) Ethyl Benzene	10.195	91	148021	19.299	ug/l	99
68) m/p-Xylenes	10.299	106	111559	38.451	ug/l	98
69) o-Xylene	10.640	106	54346	18.930	ug/l	96
70) Styrene	10.652	104	90267	18.618	ug/l	99
71) Bromoform	10.799	173	23985	19.159	ug/l #	100
73) Isopropylbenzene	10.963	105	143320	18.396	ug/l	99
74) N-amyl acetate	10.841	43	76010	18.456	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	56577	18.603	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	47528m	19.051	ug/l	
77) Bromobenzene	11.195	156	32057	18.312	ug/l	95
78) n-propylbenzene	11.305	91	177378	18.497	ug/l	98
79) 2-Chlorotoluene	11.366	91	104216	18.312	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	122251	18.662	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	18271	16.245	ug/l	87
82) 4-Chlorotoluene	11.457	91	122465	18.662	ug/l	100
83) tert-Butylbenzene	11.713	119	123895	19.204	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	123665	18.652	ug/l	99
85) sec-Butylbenzene	11.890	105	157790	18.698	ug/l	98
86) p-Isopropyltoluene	12.006	119	126444	18.665	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	65913	19.228	ug/l	100
88) 1,4-Dichlorobenzene	12.042	146	66031	18.820	ug/l	99
89) n-Butylbenzene	12.335	91	123413	18.057	ug/l	97
90) Hexachloroethane	12.536	117	24350	18.000	ug/l	95
91) 1,2-Dichlorobenzene	12.335	146	62449	19.207	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	14448	19.390	ug/l	95
93) 1,2,4-Trichlorobenzene	13.591	180	40379	18.533	ug/l	99
94) Hexachlorobutadiene	13.725	225	14337	18.581	ug/l	96
95) Naphthalene	13.774	128	151537	18.674	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	39788	19.264	ug/l	98

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

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