

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122223\
 Data File : VX039435.D
 Acq On : 22 Dec 2023 13:24
 Operator : JC/MD
 Sample : VX1222WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1222WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/27/2023
 Supervised By : Mahesh Dadoda 12/28/2023

Quant Time: Dec 23 06:23:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121323W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 14 01:28:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	108494	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	200975	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	191111	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	95616	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	97007	48.808	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	97.620%		
35) Dibromofluoromethane	5.385	113	70074	50.470	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	100.940%		
50) Toluene-d8	8.647	98	260427	50.523	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	101.040%		
62) 4-Bromofluorobenzene	11.079	95	104211	49.000	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.000%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	29929	19.631	ug/l	99
3) Chloromethane	1.294	50	33679	19.927	ug/l	99
4) Vinyl Chloride	1.374	62	31831	20.250	ug/l	95
5) Bromomethane	1.605	94	21301	23.554	ug/l	100
6) Chloroethane	1.691	64	18532	19.564	ug/l	96
7) Trichlorofluoromethane	1.886	101	45485	19.762	ug/l	99
8) Diethyl Ether	2.130	74	17543	22.022	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.331	101	27671	19.701	ug/l	95
10) Methyl Iodide	2.453	142	26985	18.587	ug/l	95
11) Tert butyl alcohol	2.947	59	45110	90.382	ug/l #	95
12) 1,1-Dichloroethene	2.319	96	26704	19.140	ug/l	96
13) Acrolein	2.233	56	43391	108.977	ug/l	98
14) Allyl chloride	2.660	41	52524	18.584	ug/l	98
15) Acrylonitrile	3.056	53	100930	101.029	ug/l	99
16) Acetone	2.374	43	106644	75.928	ug/l	92
17) Carbon Disulfide	2.514	76	73005	17.881	ug/l	100
18) Methyl Acetate	2.697	43	85837	19.967	ug/l	100
19) Methyl tert-butyl Ether	3.105	73	99895	19.798	ug/l	100
20) Methylene Chloride	2.788	84	32587	19.668	ug/l	99
21) trans-1,2-Dichloroethene	3.093	96	29842	19.657	ug/l	98
22) Diisopropyl ether	3.751	45	105837	20.572	ug/l	91
23) Vinyl Acetate	3.715	43	391125	102.117	ug/l	98
24) 1,1-Dichloroethane	3.605	63	56035	19.267	ug/l	99
25) 2-Butanone	4.544	43	152201	88.742	ug/l	99
26) 2,2-Dichloropropane	4.465	77	44669	17.593	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	33131	19.772	ug/l	97
28) Bromochloromethane	4.891	49	30525	21.511	ug/l	91
29) Tetrahydrofuran	4.995	42	94931	100.228	ug/l	99
30) Chloroform	5.093	83	56644	19.490	ug/l	99
31) Cyclohexane	5.471	56	50360	19.617	ug/l	96
32) 1,1,1-Trichloroethane	5.379	97	46695	18.508	ug/l	98
36) 1,1-Dichloropropene	5.690	75	42464	19.381	ug/l	99
37) Ethyl Acetate	4.708	43	53645	19.818	ug/l	99
38) Carbon Tetrachloride	5.672	117	37297	17.838	ug/l	96
39) Methylcyclohexane	7.373	83	50644	19.243	ug/l	98
40) Benzene	6.037	78	121769	19.647	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	29061	20.122	ug/l	95
42) 1,2-Dichloroethane	6.080	62	49859	19.874	ug/l	99
43) Isopropyl Acetate	6.336	43	85775	19.487	ug/l	99
44) Trichloroethene	7.123	130	29509	18.868	ug/l	97
45) 1,2-Dichloropropane	7.428	63	33051	19.870	ug/l	100
46) Dibromomethane	7.580	93	23536	20.129	ug/l	94
47) Bromodichloromethane	7.818	83	43332	19.382	ug/l	97
48) Methyl methacrylate	7.690	41	51752	20.111	ug/l	97
49) 1,4-Dioxane	7.659	88	13727	395.735	ug/l #	99
51) 4-Methyl-2-Pentanone	8.568	43	288634	102.916	ug/l	97
52) Toluene	8.714	92	74437	19.899	ug/l	93
53) t-1,3-Dichloropropene	8.976	75	47563	19.324	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	50855	19.202	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	31589	20.227	ug/l	99
56) Ethyl methacrylate	9.116	69	40194	21.083	ug/l	99
57) 1,3-Dichloropropane	9.305	76	55687	20.626	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.238	63	118191	105.579	ug/l	94
59) 2-Hexanone	9.427	43	225579	93.197	ug/l	99
60) Dibromochloromethane	9.519	129	29160	18.463	ug/l	97
61) 1,2-Dibromoethane	9.604	107	33995	20.391	ug/l	98
64) Tetrachloroethene	9.275	164	23520	18.833	ug/l	95
65) Chlorobenzene	10.079	112	79085	18.959	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	27338	18.554	ug/l	99
67) Ethyl Benzene	10.195	91	149609	19.268	ug/l	98
68) m/p-Xylenes	10.299	106	108041	38.808	ug/l	94
69) o-Xylene	10.640	106	50883	18.903	ug/l	89
70) Styrene	10.653	104	76184	19.360	ug/l	95
71) Bromoform	10.799	173	19049	17.393	ug/l #	100
73) Isopropylbenzene	10.963	105	140321	19.021	ug/l	99
74) N-amyl acetate	10.842	43	71325	19.109	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.213	83	54330	19.797	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	45941m	18.571	ug/l	
77) Bromobenzene	11.195	156	31349	19.217	ug/l	91
78) n-propylbenzene	11.305	91	173575	19.097	ug/l	97
79) 2-Chlorotoluene	11.366	91	100891	18.351	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	121115	19.272	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.018	75	13951	15.909	ug/l	99
82) 4-Chlorotoluene	11.451	91	123336	19.100	ug/l	97
83) tert-Butylbenzene	11.713	119	110656	18.501	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	121658	18.877	ug/l	99
85) sec-Butylbenzene	11.890	105	142333	18.701	ug/l	99
86) p-Isopropyltoluene	12.006	119	120633	18.887	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	59335	18.514	ug/l	97
88) 1,4-Dichlorobenzene	12.036	146	61473	18.422	ug/l	96
89) n-Butylbenzene	12.329	91	119404	19.017	ug/l	96
90) Hexachloroethane	12.536	117	18821	16.312	ug/l	92
91) 1,2-Dichlorobenzene	12.335	146	58573	19.101	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	12784	17.686	ug/l	94
93) 1,2,4-Trichlorobenzene	13.585	180	37062	18.457	ug/l	99
94) Hexachlorobutadiene	13.725	225	13306	17.584	ug/l	98
95) Naphthalene	13.774	128	133709	19.121	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	36995	19.085	ug/l	99

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

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