

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062023\
 Data File : VX036231.D
 Acq On : 20 Jun 2023 10:24
 Operator : JC/MD
 Sample : VX0620WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0620WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/22/2023
 Supervised By : Mahesh Dadoda 06/22/2023

Quant Time: Jun 21 01:57:11 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061623W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 16 16:28:40 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	173393	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	307363	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	274544	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	135963	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	137101	43.268	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	86.540%		
35) Dibromofluoromethane	5.385	113	91839	44.063	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	88.120%		
50) Toluene-d8	8.647	98	326122	42.775	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	85.560%#		
62) 4-Bromofluorobenzene	11.079	95	130634	42.447	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	84.900%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	33847	15.903	ug/l	97
3) Chloromethane	1.295	50	37412	16.614	ug/l	98
4) Vinyl Chloride	1.374	62	35919	16.744	ug/l	98
5) Bromomethane	1.618	94	22284	16.899	ug/l	97
6) Chloroethane	1.691	64	21400	15.417	ug/l	99
7) Trichlorofluoromethane	1.892	101	57777	16.643	ug/l	99
8) Diethyl Ether	2.130	74	20348	15.747	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.331	101	36595	18.484	ug/l	97
10) Methyl Iodide	2.453	142	37933	18.582	ug/l	98
11) Tert butyl alcohol	3.002	59	44087	91.010	ug/l #	93
12) 1,1-Dichloroethene	2.325	96	32378	17.295	ug/l	93
13) Acrolein	2.240	56	44820	83.315	ug/l	99
14) Allyl chloride	2.666	41	64214	16.952	ug/l	94
15) Acrylonitrile	3.069	53	107690	86.902	ug/l	99
16) Acetone	2.392	43	110670	84.066	ug/l	99
17) Carbon Disulfide	2.514	76	77689	16.789	ug/l	100
18) Methyl Acetate	2.709	43	86405	17.306	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	126090	17.205	ug/l	97
20) Methylene Chloride	2.788	84	39243	16.453	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	36493	17.544	ug/l	97
22) Diisopropyl ether	3.758	45	131071	17.388	ug/l	99
23) Vinyl Acetate	3.721	43	472119	88.371	ug/l	99
24) 1,1-Dichloroethane	3.611	63	73641	17.682	ug/l	99
25) 2-Butanone	4.562	43	156660	85.001	ug/l	97
26) 2,2-Dichloropropane	4.477	77	59117	18.253	ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	40856	17.177	ug/l	96
28) Bromochloromethane	4.904	49	37431	17.241	ug/l	96
29) Tetrahydrofuran	5.013	42	99401	84.920	ug/l	100
30) Chloroform	5.093	83	77137	17.586	ug/l	100
31) Cyclohexane	5.471	56	60796	17.885	ug/l	98
32) 1,1,1-Trichloroethane	5.385	97	64941	17.463	ug/l	97
36) 1,1-Dichloropropene	5.696	75	54484	17.746	ug/l	97
37) Ethyl Acetate	4.709	43	61042	17.065	ug/l	99
38) Carbon Tetrachloride	5.672	117	53793	18.023	ug/l	99
39) Methylcyclohexane	7.379	83	59858	18.102	ug/l	95
40) Benzene	6.038	78	153039	17.725	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	34665	17.577	ug/l	98
42) 1,2-Dichloroethane	6.086	62	68705	17.664	ug/l	100
43) Isopropyl Acetate	6.336	43	95891	17.517	ug/l	98
44) Trichloroethene	7.123	130	37898	17.565	ug/l	91
45) 1,2-Dichloropropane	7.428	63	39917	17.390	ug/l	97
46) Dibromomethane	7.580	93	28293	17.302	ug/l	98
47) Bromodichloromethane	7.824	83	54138	17.245	ug/l	98
48) Methyl methacrylate	7.690	41	48338	17.211	ug/l	98
49) 1,4-Dioxane	7.720	88	18998	404.004	ug/l #	99
51) 4-Methyl-2-Pentanone	8.574	43	307636	88.999	ug/l	97
52) Toluene	8.720	92	95830	17.728	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	56460	17.461	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	61270	17.670	ug/l	96
55) 1,1,2-Trichloroethane	9.153	97	39321	17.620	ug/l	94
56) Ethyl methacrylate	9.116	69	58045	17.219	ug/l	91
57) 1,3-Dichloropropane	9.305	76	69139	17.415	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	149989	80.725	ug/l	98
59) 2-Hexanone	9.427	43	234606	91.294	ug/l	97
60) Dibromochloromethane	9.519	129	36947	16.963	ug/l	99
61) 1,2-Dibromoethane	9.610	107	40920	17.586	ug/l	98
64) Tetrachloroethene	9.275	164	31866	18.655	ug/l	97
65) Chlorobenzene	10.080	112	99884	17.557	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	35592	18.129	ug/l	99
67) Ethyl Benzene	10.195	91	182637	17.976	ug/l	98
68) m/p-Xylenes	10.299	106	139558	36.407	ug/l	98
69) o-Xylene	10.640	106	67108	17.744	ug/l	94
70) Styrene	10.653	104	111820	17.744	ug/l	97
71) Bromoform	10.799	173	22817	16.882	ug/l #	100
73) Isopropylbenzene	10.964	105	178560	17.699	ug/l	100
74) N-amyl acetate	10.842	43	82428	18.080	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	61332	17.754	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	53842m	16.686	ug/l	
77) Bromobenzene	11.195	156	40311	17.054	ug/l	91
78) n-propylbenzene	11.305	91	216142	18.212	ug/l	97
79) 2-Chlorotoluene	11.366	91	133544	17.890	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	152103	17.706	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	15096	16.375	ug/l	88
82) 4-Chlorotoluene	11.451	91	155000	17.821	ug/l	97
83) tert-Butylbenzene	11.713	119	142006	17.388	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	154552	18.037	ug/l	98
85) sec-Butylbenzene	11.890	105	183840	18.078	ug/l	100
86) p-Isopropyltoluene	12.006	119	154118	18.014	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	78734	17.466	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	79709	17.263	ug/l	98
89) n-Butylbenzene	12.329	91	137441	18.000	ug/l	98
90) Hexachloroethane	12.536	117	23496	17.508	ug/l	95
91) 1,2-Dichlorobenzene	12.335	146	77092	17.425	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	13490	17.705	ug/l	94
93) 1,2,4-Trichlorobenzene	13.585	180	44446	17.723	ug/l	97
94) Hexachlorobutadiene	13.725	225	17315	17.465	ug/l	97
95) Naphthalene	13.774	128	151330	17.494	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	42776	17.009	ug/l	98

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

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