

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062923\
 Data File : VX036370.D
 Acq On : 29 Jun 2023 12:02
 Operator : JC/MD
 Sample : VX0629WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0629WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/30/2023
 Supervised By : Mahesh Dadoda 06/30/2023

Quant Time: Jun 30 01:28:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062323W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 23 15:03:28 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.543	168	207872	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.756	114	338722	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	311197	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	152323	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	146923	49.308	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	98.620%		
35) Dibromofluoromethane	5.379	113	120615	54.004	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	108.000%		
50) Toluene-d8	8.646	98	437032	52.390	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	104.780%		
62) 4-Bromofluorobenzene	11.079	95	162213	55.207	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	110.420%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	35532	18.055	ug/l	98
3) Chloromethane	1.294	50	48267	14.138	ug/l	99
4) Vinyl Chloride	1.373	62	54792	14.680	ug/l	97
5) Bromomethane	1.617	94	41954	15.362	ug/l	98
6) Chloroethane	1.690	64	44790	16.347	ug/l	98
7) Trichlorofluoromethane	1.892	101	95566	16.842	ug/l	100
8) Diethyl Ether	2.129	74	36636	16.725	ug/l	91
9) 1,1,2-Trichlorotrifluo...	2.330	101	45318	19.029	ug/l	96
10) Methyl Iodide	2.452	142	51651	17.899	ug/l	92
11) Tert butyl alcohol	3.013	59	55714	102.720	ug/l #	92
12) 1,1-Dichloroethene	2.318	96	41195	17.438	ug/l	92
13) Acrolein	2.239	56	60455	81.159	ug/l	100
14) Allyl chloride	2.666	41	70511	18.366	ug/l	98
15) Acrylonitrile	3.068	53	123877	90.105	ug/l	99
16) Acetone	2.398	43	109758	86.179	ug/l	94
17) Carbon Disulfide	2.513	76	91012	15.686	ug/l	98
18) Methyl Acetate	2.708	43	96908	18.503	ug/l	96
19) Methyl tert-butyl Ether	3.111	73	151731	19.874	ug/l	97
20) Methylene Chloride	2.788	84	51448	18.761	ug/l	93
21) trans-1,2-Dichloroethene	3.093	96	44429	17.624	ug/l	87
22) Diisopropyl ether	3.757	45	150424	19.553	ug/l	91
23) Vinyl Acetate	3.720	43	540445	96.805	ug/l	96
24) 1,1-Dichloroethane	3.605	63	85134	18.778	ug/l	99
25) 2-Butanone	4.562	43	167409	91.484	ug/l	95
26) 2,2-Dichloropropane	4.470	77	68449	21.287	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	53123	18.790	ug/l	93
28) Bromochloromethane	4.897	49	47230	20.087	ug/l	88
29) Tetrahydrofuran	5.013	42	105665	90.696	ug/l	93
30) Chloroform	5.086	83	88604	19.403	ug/l	98
31) Cyclohexane	5.470	56	67923	17.788	ug/l	97
32) 1,1,1-Trichloroethane	5.385	97	75475	19.787	ug/l	99
36) 1,1-Dichloropropene	5.690	75	63758	19.151	ug/l	98
37) Ethyl Acetate	4.714	43	67622	19.929	ug/l	99
38) Carbon Tetrachloride	5.677	117	63081	20.746	ug/l	98
39) Methylcyclohexane	7.378	83	75343	18.894	ug/l	94
40) Benzene	6.037	78	184000	19.785	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.921	41	37034	19.674	ug/l	94
42) 1,2-Dichloroethane	6.086	62	72108	20.385	ug/l	99
43) Isopropyl Acetate	6.336	43	112867	20.851	ug/l	98
44) Trichloroethene	7.122	130	50024	19.338	ug/l	98
45) 1,2-Dichloropropane	7.427	63	49335	19.478	ug/l	95
46) Dibromomethane	7.580	93	36472	20.456	ug/l	95
47) Bromodichloromethane	7.817	83	66595	20.654	ug/l	98
48) Methyl methacrylate	7.689	41	54653	20.250	ug/l	92
49) 1,4-Dioxane	7.708	88	25836	431.805	ug/l #	93
51) 4-Methyl-2-Pentanone	8.573	43	351915	100.909	ug/l	99
52) Toluene	8.720	92	117076	19.864	ug/l	93
53) t-1,3-Dichloropropene	8.976	75	71740	22.027	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	77761	21.120	ug/l	93
55) 1,1,2-Trichloroethane	9.152	97	51078	20.853	ug/l	96
56) Ethyl methacrylate	9.116	69	76781	20.957	ug/l	97
57) 1,3-Dichloropropane	9.305	76	85770	20.431	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	185152	89.923	ug/l	100
59) 2-Hexanone	9.427	43	262345	103.013	ug/l	98
60) Dibromochloromethane	9.518	129	50575	21.251	ug/l	99
61) 1,2-Dibromoethane	9.610	107	53239	20.481	ug/l	99
64) Tetrachloroethene	9.274	164	46221	21.035	ug/l	95
65) Chlorobenzene	10.079	112	131219	20.058	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.164	131	49453	22.365	ug/l	100
67) Ethyl Benzene	10.195	91	231200	19.880	ug/l	99
68) m/p-Xylenes	10.299	106	179694	39.769	ug/l	96
69) o-Xylene	10.640	106	88482	20.278	ug/l	97
70) Styrene	10.652	104	144119	20.173	ug/l	97
71) Bromoform	10.798	173	35101	22.132	ug/l #	100
73) Isopropylbenzene	10.963	105	231695	20.184	ug/l	98
74) N-amyl acetate	10.841	43	96564	21.267	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	78962	20.313	ug/l	99
76) 1,2,3-Trichloropropane	11.237	75	63266m	19.472	ug/l	
77) Bromobenzene	11.195	156	54735	19.392	ug/l	92
78) n-propylbenzene	11.304	91	264147	19.703	ug/l	99
79) 2-Chlorotoluene	11.365	91	157426	19.740	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	193467	19.901	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	20948	21.017	ug/l	97
82) 4-Chlorotoluene	11.451	91	181162	19.512	ug/l	97
83) tert-Butylbenzene	11.713	119	188027	20.182	ug/l	97
84) 1,2,4-Trimethylbenzene	11.749	105	195429	20.320	ug/l	97
85) sec-Butylbenzene	11.890	105	234686	19.884	ug/l	98
86) p-Isopropyltoluene	12.006	119	196364	19.824	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	103203	19.887	ug/l	97
88) 1,4-Dichlorobenzene	12.042	146	105522	19.969	ug/l	99
89) n-Butylbenzene	12.329	91	172247	19.539	ug/l	98
90) Hexachloroethane	12.536	117	29211	19.471	ug/l	89
91) 1,2-Dichlorobenzene	12.335	146	103399	20.235	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.938	75	15653	21.200	ug/l	82
93) 1,2,4-Trichlorobenzene	13.585	180	65508	20.813	ug/l	97
94) Hexachlorobutadiene	13.725	225	26205	20.329	ug/l	98
95) Naphthalene	13.774	128	224957	21.634	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	67021	21.829	ug/l	97

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

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