

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062623\
 Data File : VX036327.D
 Acq On : 26 Jun 2023 13:52
 Operator : JC/MD
 Sample : VX0626WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0626WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/27/2023
 Supervised By : Mahesh Dadoda 06/27/2023

Quant Time: Jun 27 04:22:11 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	5.550	168	258680	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	434965	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	382952	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	178407	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	163219	44.018	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	88.040%		
35) Dibromofluoromethane	5.385	113	128544	44.819	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	89.640%		
50) Toluene-d8	8.647	98	481612	44.960	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	89.920%#		
62) 4-Bromofluorobenzene	11.079	95	172149	45.625	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	91.240%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	41335	16.878	ug/l	99
3) Chloromethane	1.294	50	59007	13.889	ug/l	99
4) Vinyl Chloride	1.374	62	67906	14.620	ug/l	97
5) Bromomethane	1.617	94	49370	14.527	ug/l	94
6) Chloroethane	1.691	64	50350	14.767	ug/l	97
7) Trichlorofluoromethane	1.892	101	108130	15.313	ug/l	98
8) Diethyl Ether	2.136	74	41176	15.106	ug/l	89
9) 1,1,2-Trichlorotrifluo...	2.331	101	50100	16.905	ug/l	94
10) Methyl Iodide	2.453	142	58417	16.268	ug/l	91
11) Tert butyl alcohol	2.989	59	57001m	84.451	ug/l	
12) 1,1-Dichloroethene	2.319	96	47645	16.207	ug/l	93
13) Acrolein	2.239	56	63054	68.022	ug/l	98
14) Allyl chloride	2.666	41	79921	16.728	ug/l	97
15) Acrylonitrile	3.068	53	135542	79.226	ug/l	100
16) Acetone	2.392	43	121351	76.567	ug/l	93
17) Carbon Disulfide	2.514	76	114204	15.817	ug/l	100
18) Methyl Acetate	2.703	43	108160	16.595	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	164966	17.364	ug/l	97
20) Methylene Chloride	2.794	84	53263	15.608	ug/l	94
21) trans-1,2-Dichloroethene	3.093	96	50853	16.210	ug/l	93
22) Diisopropyl ether	3.757	45	167560	17.503	ug/l	90
23) Vinyl Acetate	3.721	43	613526	88.311	ug/l	99
24) 1,1-Dichloroethane	3.611	63	96228	17.056	ug/l	99
25) 2-Butanone	4.562	43	187085	82.156	ug/l	96
26) 2,2-Dichloropropane	4.471	77	79985	19.989	ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	59063	16.788	ug/l	95
28) Bromochloromethane	4.891	49	41906	14.322	ug/l	88
29) Tetrahydrofuran	5.007	42	118030	81.411	ug/l	95
30) Chloroform	5.092	83	98008	17.247	ug/l	97
31) Cyclohexane	5.464	56	81124	17.073	ug/l	98
32) 1,1,1-Trichloroethane	5.385	97	85463	18.005	ug/l	98
36) 1,1-Dichloropropene	5.690	75	72937	17.061	ug/l	97
37) Ethyl Acetate	4.714	43	75518	17.331	ug/l	99
38) Carbon Tetrachloride	5.678	117	71445	18.297	ug/l	99
39) Methylcyclohexane	7.379	83	91486	17.866	ug/l	95
40) Benzene	6.037	78	207400	17.366	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	42385	17.535	ug/l	96
42) 1,2-Dichloroethane	6.086	62	79347	17.468	ug/l	99
43) Isopropyl Acetate	6.336	43	128078	18.426	ug/l	97
44) Trichloroethene	7.123	130	55796	16.797	ug/l	98
45) 1,2-Dichloropropane	7.427	63	57349	17.632	ug/l	99
46) Dibromomethane	7.580	93	39874	17.416	ug/l	93
47) Bromodichloromethane	7.818	83	73173	17.673	ug/l	95
48) Methyl methacrylate	7.690	41	62046	17.902	ug/l	93
49) 1,4-Dioxane	7.696	88	24380	317.311	ug/l #	98
51) 4-Methyl-2-Pentanone	8.574	43	392536	87.652	ug/l	98
52) Toluene	8.714	92	133075	17.583	ug/l	96
53) t-1,3-Dichloropropene	8.976	75	78359	18.735	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	87637	18.536	ug/l	93
55) 1,1,2-Trichloroethane	9.153	97	54931	17.464	ug/l	95
56) Ethyl methacrylate	9.116	69	85665	18.208	ug/l	97
57) 1,3-Dichloropropane	9.305	76	92934	17.240	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	224234	84.807	ug/l	98
59) 2-Hexanone	9.427	43	290423	88.805	ug/l	97
60) Dibromochloromethane	9.518	129	54073	17.693	ug/l	99
61) 1,2-Dibromoethane	9.610	107	57744	17.298	ug/l	100
64) Tetrachloroethene	9.269	164	50211	18.569	ug/l	95
65) Chlorobenzene	10.079	112	143484	17.824	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	51655	18.984	ug/l	98
67) Ethyl Benzene	10.195	91	256596	17.929	ug/l	99
68) m/p-Xylenes	10.299	106	198891	35.770	ug/l	97
69) o-Xylene	10.640	106	98873	18.414	ug/l	94
70) Styrene	10.652	104	155248	17.659	ug/l	97
71) Bromoform	10.799	173	35679	18.281	ug/l #	97
73) Isopropylbenzene	10.963	105	250405	18.625	ug/l	98
74) N-amyl acetate	10.841	43	104787	19.704	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	81116	17.816	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	69606m	18.291	ug/l	
77) Bromobenzene	11.195	156	59563	18.017	ug/l	93
78) n-propylbenzene	11.305	91	293540	18.695	ug/l	99
79) 2-Chlorotoluene	11.366	91	174383	18.669	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	216663	19.029	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	22571	19.334	ug/l	95
82) 4-Chlorotoluene	11.451	91	198216	18.227	ug/l	98
83) tert-Butylbenzene	11.713	119	199815	18.311	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	209427	18.591	ug/l	98
85) sec-Butylbenzene	11.890	105	262294	18.974	ug/l	99
86) p-Isopropyltoluene	12.006	119	216782	18.686	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	110700	18.212	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	109964	17.767	ug/l	99
89) n-Butylbenzene	12.329	91	192880	18.681	ug/l	98
90) Hexachloroethane	12.536	117	32621	18.565	ug/l	89
91) 1,2-Dichlorobenzene	12.335	146	105594	17.643	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.939	75	16179	18.708	ug/l	84
93) 1,2,4-Trichlorobenzene	13.585	180	66845	18.133	ug/l	96
94) Hexachlorobutadiene	13.725	225	29260	19.380	ug/l	98
95) Naphthalene	13.774	128	220635	18.116	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	66792	18.574	ug/l	98

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

