

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030223\
 Data File : VX034300.D
 Acq On : 02 Mar 2023 11:35
 Operator : JC/MD
 Sample : VX0302WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0302WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/03/2023
 Supervised By : Mahesh Dadoda 03/03/2023

Quant Time: Mar 03 00:21:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 17 12:33:35 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	269138	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	442493	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	399801	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	197066	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	168757	46.558	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	93.120%		
35) Dibromofluoromethane	5.385	113	143898	49.946	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.900%		
50) Toluene-d8	8.647	98	522161	50.480	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	100.960%		
62) 4-Bromofluorobenzene	11.079	95	200873	50.769	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	101.540%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	45320	19.487	ug/l	97
3) Chloromethane	1.300	50	63361	18.932	ug/l	99
4) Vinyl Chloride	1.374	62	64032	21.009	ug/l	97
5) Bromomethane	1.605	94	37498	29.796	ug/l	95
6) Chloroethane	1.685	64	36083	23.549	ug/l	99
7) Trichlorofluoromethane	1.886	101	93809	22.750	ug/l	98
8) Diethyl Ether	2.130	74	35292	21.244	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.331	101	51247	17.647	ug/l	96
10) Methyl Iodide	2.453	142	60013	16.973	ug/l	95
11) Tert butyl alcohol	2.953	59	67118	82.790	ug/l #	83
12) 1,1-Dichloroethene	2.319	96	50709	17.420	ug/l	95
13) Acrolein	2.233	56	42906	115.941	ug/l	100
14) Allyl chloride	2.666	41	97251	15.749	ug/l	91
15) Acrylonitrile	3.062	53	157237	88.907	ug/l	100
16) Acetone	2.373	43	148680	79.518	ug/l	93
17) Carbon Disulfide	2.514	76	142101	16.979	ug/l	99
18) Methyl Acetate	2.703	43	104124	17.997	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	183806	17.890	ug/l	98
20) Methylene Chloride	2.788	84	57417	17.043	ug/l	99
21) trans-1,2-Dichloroethene	3.093	96	54685	17.927	ug/l	99
22) Diisopropyl ether	3.757	45	202312	18.688	ug/l	99
23) Vinyl Acetate	3.721	43	790624	91.156	ug/l	100
24) 1,1-Dichloroethane	3.605	63	102818	17.301	ug/l	98
25) 2-Butanone	4.550	43	229106	84.685	ug/l	99
26) 2,2-Dichloropropane	4.477	77	89105	16.551	ug/l	100
27) cis-1,2-Dichloroethene	4.489	96	64780	17.934	ug/l	97
28) Bromochloromethane	4.891	49	52233	19.702	ug/l	89
29) Tetrahydrofuran	5.001	42	146447	88.734	ug/l	99
30) Chloroform	5.086	83	101610	17.805	ug/l	94
31) Cyclohexane	5.470	56	94632	17.487	ug/l	96
32) 1,1,1-Trichloroethane	5.379	97	88448	17.290	ug/l	99
36) 1,1-Dichloropropene	5.690	75	75585	17.740	ug/l	99
37) Ethyl Acetate	4.714	43	85600	17.976	ug/l	100
38) Carbon Tetrachloride	5.672	117	77231	17.615	ug/l	99
39) Methylcyclohexane	7.379	83	98621	17.986	ug/l	99
40) Benzene	6.031	78	233008	18.454	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	48857	18.415	ug/l	98
42) 1,2-Dichloroethane	6.086	62	81311	18.310	ug/l	100
43) Isopropyl Acetate	6.336	43	149382	17.777	ug/l	98
44) Trichloroethene	7.123	130	61051	18.841	ug/l	93
45) 1,2-Dichloropropane	7.427	63	61288	18.233	ug/l	98
46) Dibromomethane	7.580	93	40750	18.421	ug/l	89
47) Bromodichloromethane	7.818	83	79253	17.457	ug/l	97
48) Methyl methacrylate	7.690	41	70208	17.603	ug/l	97
49) 1,4-Dioxane	7.659	88	31040	390.181	ug/l #	100
51) 4-Methyl-2-Pentanone	8.567	43	449080	97.136	ug/l	99
52) Toluene	8.720	92	148058	19.352	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	91164	17.445	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	97638	17.453	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	59982	19.423	ug/l	96
56) Ethyl methacrylate	9.116	69	95240	18.230	ug/l	97
57) 1,3-Dichloropropane	9.305	76	104584	19.465	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	233689	103.261	ug/l	96
59) 2-Hexanone	9.427	43	339351	96.315	ug/l	99
60) Dibromochloromethane	9.518	129	62127	18.207	ug/l	99
61) 1,2-Dibromoethane	9.610	107	62371	19.097	ug/l	98
64) Tetrachloroethene	9.275	164	52870	18.737	ug/l	96
65) Chlorobenzene	10.079	112	156688	18.801	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	58400	18.102	ug/l	98
67) Ethyl Benzene	10.195	91	283298	18.922	ug/l	99
68) m/p-Xylenes	10.299	106	215712	37.648	ug/l	94
69) o-Xylene	10.640	106	108354	18.996	ug/l	96
70) Styrene	10.652	104	175057	18.870	ug/l	97
71) Bromoform	10.799	173	46584	17.689	ug/l #	99
73) Isopropylbenzene	10.963	105	277060	18.447	ug/l	100
74) N-amyl acetate	10.841	43	130581	17.306	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.213	83	93662	18.233	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	75598m	15.245	ug/l	
77) Bromobenzene	11.195	156	68083	18.837	ug/l	89
78) n-propylbenzene	11.305	91	322622	18.470	ug/l	98
79) 2-Chlorotoluene	11.366	91	194405	18.151	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	234143	18.543	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	29884	15.482	ug/l	96
82) 4-Chlorotoluene	11.451	91	222378	18.229	ug/l	98
83) tert-Butylbenzene	11.713	119	240302	18.581	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	234488	18.366	ug/l	98
85) sec-Butylbenzene	11.890	105	295911	18.842	ug/l	97
86) p-Isopropyltoluene	12.012	119	243324	18.721	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	125977	18.585	ug/l	97
88) 1,4-Dichlorobenzene	12.042	146	128860	18.848	ug/l	96
89) n-Butylbenzene	12.335	91	212017	18.315	ug/l	98
90) Hexachloroethane	12.536	117	45487	16.738	ug/l	80
91) 1,2-Dichlorobenzene	12.335	146	126249	19.036	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.939	75	18802	15.349	ug/l	80
93) 1,2,4-Trichlorobenzene	13.591	180	77013	18.087	ug/l	98
94) Hexachlorobutadiene	13.725	225	32818	18.593	ug/l	96
95) Naphthalene	13.774	128	259174	18.069	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	77103	18.240	ug/l	98

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

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