

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020624\
 Data File : VX040134.D
 Acq On : 06 Feb 2024 12:55
 Operator : JC/MD
 Sample : VX0206WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0206WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/07/2024
 Supervised By : Mahesh Dadoda 02/07/2024

Quant Time: Feb 07 00:33:01 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X013024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 01 05:44:39 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	66724	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	128427	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	120135	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	67517	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	58880	54.831	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 109.660%			
35) Dibromofluoromethane	5.385	113	40848	46.724	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 93.440%			
50) Toluene-d8	8.647	98	158964	48.621	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 97.240%			
62) 4-Bromofluorobenzene	11.079	95	64969	51.608	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.220%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	21481	28.583	ug/l	98
3) Chloromethane	1.294	50	15656	21.966	ug/l	95
4) Vinyl Chloride	1.374	62	15098	22.905	ug/l	95
5) Bromomethane	1.605	94	11281	17.605	ug/l	97
6) Chloroethane	1.685	64	10027	23.042	ug/l	90
7) Trichlorofluoromethane	1.886	101	22034	21.010	ug/l	99
8) Diethyl Ether	2.130	74	9374	25.282	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.331	101	16442	21.012	ug/l	93
10) Methyl Iodide	2.453	142	17262	20.723	ug/l	95
11) Tert butyl alcohol	2.953	59	22433	115.132	ug/l #	90
12) 1,1-Dichloroethene	2.319	96	14532	19.364	ug/l	95
13) Acrolein	2.239	56	18371	98.408	ug/l	98
14) Allyl chloride	2.666	41	29744	21.988	ug/l	92
15) Acrylonitrile	3.062	53	58738	120.343	ug/l	97
16) Acetone	2.374	43	56152	111.602	ug/l	95
17) Carbon Disulfide	2.514	76	41135	18.747	ug/l	99
18) Methyl Acetate	2.703	43	35364	29.669	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	58378	22.708	ug/l	100
20) Methylene Chloride	2.788	84	18109	20.253	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	17077	20.662	ug/l	94
22) Diisopropyl ether	3.757	45	64549	24.634	ug/l	91
23) Vinyl Acetate	3.721	43	270702	115.434	ug/l	99
24) 1,1-Dichloroethane	3.611	63	33622	22.403	ug/l	99
25) 2-Butanone	4.550	43	82691	118.228	ug/l	96
26) 2,2-Dichloropropane	4.471	77	24805	21.183	ug/l	99
27) cis-1,2-Dichloroethene	4.495	96	19921	21.602	ug/l	99
28) Bromochloromethane	4.897	49	16743	23.925	ug/l	90
29) Tetrahydrofuran	5.001	42	54203	121.883	ug/l	98
30) Chloroform	5.093	83	34556	21.444	ug/l	96
31) Cyclohexane	5.471	56	29071	21.612	ug/l	96
32) 1,1,1-Trichloroethane	5.385	97	27773	20.082	ug/l	93
36) 1,1-Dichloropropene	5.696	75	25768	20.380	ug/l	100
37) Ethyl Acetate	4.708	43	29260	21.190	ug/l	99
38) Carbon Tetrachloride	5.678	117	22584	18.668	ug/l	93
39) Methylcyclohexane	7.379	83	28170	18.312	ug/l	98
40) Benzene	6.037	78	72605	19.716	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	17277	24.672	ug/l	97
42) 1,2-Dichloroethane	6.086	62	29963	21.136	ug/l	99
43) Isopropyl Acetate	6.342	43	49795	22.867	ug/l	97
44) Trichloroethene	7.129	130	18332	18.917	ug/l	100
45) 1,2-Dichloropropane	7.427	63	20381	20.961	ug/l	99
46) Dibromomethane	7.580	93	14230	19.498	ug/l	94
47) Bromodichloromethane	7.824	83	26135	20.107	ug/l #	94
48) Methyl methacrylate	7.690	41	25296	23.582	ug/l	96
49) 1,4-Dioxane	7.659	88	8937	383.401	ug/l #	97
51) 4-Methyl-2-Pentanone	8.574	43	174879	117.648	ug/l	95
52) Toluene	8.720	92	44107	19.216	ug/l	88
53) t-1,3-Dichloropropene	8.976	75	27819	20.635	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	29363	20.412	ug/l	95
55) 1,1,2-Trichloroethane	9.147	97	19921	20.968	ug/l #	90
56) Ethyl methacrylate	9.116	69	31762	22.893	ug/l	95
57) 1,3-Dichloropropane	9.305	76	35637	22.772	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.238	63	80419	115.269	ug/l	94
59) 2-Hexanone	9.427	43	142400	120.150	ug/l	97
60) Dibromochloromethane	9.519	129	19713	20.649	ug/l	99
61) 1,2-Dibromoethane	9.610	107	20832	20.281	ug/l	96
64) Tetrachloroethene	9.275	164	15949	20.403	ug/l	92
65) Chlorobenzene	10.079	112	47709	19.213	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	16487	19.660	ug/l	96
67) Ethyl Benzene	10.189	91	91812	20.607	ug/l	90
68) m/p-Xylenes	10.299	106	67063	40.011	ug/l	94
69) o-Xylene	10.640	106	34523	21.714	ug/l	97
70) Styrene	10.653	104	56456	21.068	ug/l	97
71) Bromoform	10.799	173	11941	18.527	ug/l #	98
73) Isopropylbenzene	10.963	105	89051	18.368	ug/l	97
74) N-amyl acetate	10.842	43	45831	20.609	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.207	83	34606	18.985	ug/l	97
76) 1,2,3-Trichloropropane	11.238	75	29931m	20.817	ug/l	
77) Bromobenzene	11.195	156	21008	18.785	ug/l	93
78) n-propylbenzene	11.305	91	112676	18.886	ug/l	100
79) 2-Chlorotoluene	11.366	91	70186	19.541	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	79207	19.005	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.018	75	8199	19.773	ug/l	95
82) 4-Chlorotoluene	11.451	91	78055	18.934	ug/l	99
83) tert-Butylbenzene	11.713	119	74395	18.654	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	82859	19.924	ug/l	98
85) sec-Butylbenzene	11.890	105	99625	18.855	ug/l	98
86) p-Isopropyltoluene	12.006	119	79146	18.344	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	44975	19.935	ug/l	96
88) 1,4-Dichlorobenzene	12.043	146	46064	19.945	ug/l	99
89) n-Butylbenzene	12.329	91	70872	16.924	ug/l	97
90) Hexachloroethane	12.536	117	11616	17.438	ug/l	91
91) 1,2-Dichlorobenzene	12.335	146	39085	17.967	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	7658	18.534	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	24692	18.158	ug/l	98
94) Hexachlorobutadiene	13.719	225	8581	16.020	ug/l	94
95) Naphthalene	13.774	128	90475	19.589	ug/l	98
96) 1,2,3-Trichlorobenzene	13.957	180	24802	18.447	ug/l	99

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

