

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030124\
 Data File : VX040553.D
 Acq On : 01 Mar 2024 17:31
 Operator : JC/MD
 Sample : VX0301WBSD02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0301WBSD02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/04/2024
 Supervised By : Mahesh Dadoda 03/04/2024

Quant Time: Mar 01 23:20:23 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022624W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 27 05:01:33 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	76729	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	124710	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	108785	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	62184	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	64962	50.619	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 101.240%			
35) Dibromofluoromethane	5.385	113	45136	52.046	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.100%			
50) Toluene-d8	8.647	98	155866	49.514	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.020%			
62) 4-Bromofluorobenzene	11.079	95	64025	53.356	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 106.720%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	17808	18.649	ug/l	97
3) Chloromethane	1.294	50	15856	16.741	ug/l	95
4) Vinyl Chloride	1.374	62	17635	17.218	ug/l	98
5) Bromomethane	1.605	94	12859	22.593	ug/l	99
6) Chloroethane	1.685	64	11094	17.116	ug/l	100
7) Trichlorofluoromethane	1.886	101	27593	17.058	ug/l	93
8) Diethyl Ether	2.130	74	9942	17.583	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.325	101	15875	18.232	ug/l	94
10) Methyl Iodide	2.453	142	16876	20.873	ug/l	98
11) Tert butyl alcohol	2.953	59	23832	110.468	ug/l #	92
12) 1,1-Dichloroethene	2.319	96	14364	16.431	ug/l	100
13) Acrolein	2.233	56	13832	100.005	ug/l	96
14) Allyl chloride	2.660	41	26730	17.477	ug/l	91
15) Acrylonitrile	3.056	53	50296	92.942	ug/l	97
16) Acetone	2.373	43	57637	137.717	ug/l	99
17) Carbon Disulfide	2.514	76	34897	14.415	ug/l	99
18) Methyl Acetate	2.703	43	26417	20.474	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	56816	19.054	ug/l	100
20) Methylene Chloride	2.788	84	17717	17.690	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	15801	16.948	ug/l	97
22) Diisopropyl ether	3.757	45	56759	18.468	ug/l	98
23) Vinyl Acetate	3.721	43	267298	94.944	ug/l	100
24) 1,1-Dichloroethane	3.605	63	32422	18.090	ug/l	99
25) 2-Butanone	4.550	43	78973	108.303	ug/l	100
26) 2,2-Dichloropropane	4.477	77	26476	18.554	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	18508	16.969	ug/l	95
28) Bromochloromethane	4.891	49	9850	13.139	ug/l	91
29) Tetrahydrofuran	5.001	42	47309	93.001	ug/l	97
30) Chloroform	5.086	83	35386	18.601	ug/l	90
31) Cyclohexane	5.470	56	24569	16.898	ug/l	96
32) 1,1,1-Trichloroethane	5.379	97	30465	18.763	ug/l	97
36) 1,1-Dichloropropene	5.696	75	25242	18.892	ug/l	98
37) Ethyl Acetate	4.708	43	28079	19.202	ug/l	100
38) Carbon Tetrachloride	5.678	117	25266	19.574	ug/l	99
39) Methylcyclohexane	7.379	83	26510	18.377	ug/l	91
40) Benzene	6.037	78	65942	18.229	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	15900	19.466	ug/l #	92
42) 1,2-Dichloroethane	6.086	62	32096	21.437	ug/l	96
43) Isopropyl Acetate	6.336	43	46819	20.405	ug/l	97
44) Trichloroethene	7.123	130	17709	18.203	ug/l	95
45) 1,2-Dichloropropane	7.427	63	18102	18.698	ug/l	98
46) Dibromomethane	7.580	93	14619	20.539	ug/l	97
47) Bromodichloromethane	7.818	83	27607	19.699	ug/l	97
48) Methyl methacrylate	7.690	41	23608	20.586	ug/l	92
49) 1,4-Dioxane	7.659	88	9671	445.787	ug/l #	95
51) 4-Methyl-2-Pentanone	8.567	43	157735	103.978	ug/l	98
52) Toluene	8.714	92	42637	19.205	ug/l	94
53) t-1,3-Dichloropropene	8.976	75	28252	19.864	ug/l	96
54) cis-1,3-Dichloropropene	8.366	75	30259	19.793	ug/l	96
55) 1,1,2-Trichloroethane	9.147	97	18486	20.065	ug/l	95
56) Ethyl methacrylate	9.116	69	28912	20.296	ug/l #	93
57) 1,3-Dichloropropane	9.305	76	32477	20.238	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	70576	94.492	ug/l	97
59) 2-Hexanone	9.427	43	122216	104.786	ug/l	95
60) Dibromochloromethane	9.519	129	18950	18.937	ug/l	100
61) 1,2-Dibromoethane	9.610	107	18610	18.511	ug/l	99
64) Tetrachloroethene	9.275	164	16227	21.247	ug/l	94
65) Chlorobenzene	10.079	112	44279	19.136	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.159	131	16375	20.081	ug/l	98
67) Ethyl Benzene	10.195	91	82057	19.373	ug/l	99
68) m/p-Xylenes	10.299	106	58577	37.035	ug/l	93
69) o-Xylene	10.640	106	28569	18.885	ug/l	90
70) Styrene	10.652	104	49429	19.600	ug/l	96
71) Bromoform	10.799	173	13638	20.431	ug/l #	100
73) Isopropylbenzene	10.963	105	80237	17.521	ug/l	99
74) N-amyl acetate	10.841	43	37568	17.663	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	31764	19.179	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	26669m	19.487	ug/l	
77) Bromobenzene	11.195	156	20625	19.047	ug/l	98
78) n-propylbenzene	11.305	91	105674	18.603	ug/l	97
79) 2-Chlorotoluene	11.360	91	63510	18.572	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	75658	19.426	ug/l	95
81) trans-1,4-Dichloro-2-b...	11.018	75	7925	19.363	ug/l	95
82) 4-Chlorotoluene	11.451	91	75451	19.081	ug/l	99
83) tert-Butylbenzene	11.713	119	69437	18.910	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	74951	19.396	ug/l	98
85) sec-Butylbenzene	11.890	105	92649	19.206	ug/l	99
86) p-Isopropyltoluene	12.006	119	75335	18.947	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	39928	18.499	ug/l	97
88) 1,4-Dichlorobenzene	12.042	146	41987	19.109	ug/l	99
89) n-Butylbenzene	12.329	91	72781	18.605	ug/l	95
90) Hexachloroethane	12.536	117	12226	18.475	ug/l	90
91) 1,2-Dichlorobenzene	12.335	146	38822	18.874	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	8212	21.269	ug/l	97
93) 1,2,4-Trichlorobenzene	13.585	180	25853	19.259	ug/l	97
94) Hexachlorobutadiene	13.725	225	10214	18.618	ug/l	98
95) Naphthalene	13.774	128	85647	19.966	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	26227	20.554	ug/l	98

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

