

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042624\
 Data File : VX041250.D
 Acq On : 26 Apr 2024 11:52
 Operator : JC/MD
 Sample : VX0426WBS02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0426WBS02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/29/2024
 Supervised By : Mahesh Dadoda 04/29/2024

Quant Time: Apr 27 02:14:24 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042224W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 05:30:28 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	186868	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	209184	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	233411	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	103515	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	82547	46.405	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	92.820%		
35) Dibromofluoromethane	5.379	113	76500	60.121	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	120.240%		
50) Toluene-d8	8.647	98	260559	60.693	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	121.380%#		
62) 4-Bromofluorobenzene	11.079	95	79741	50.323	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	100.640%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.167	85	27526	18.624	ug/l	96
3) Chloromethane	1.295	50	26962	16.849	ug/l	99
4) Vinyl Chloride	1.374	62	28398	17.746	ug/l	97
5) Bromomethane	1.599	94	14429	16.014	ug/l	98
6) Chloroethane	1.666	64	11157	18.352	ug/l	97
7) Trichlorofluoromethane	1.862	101	46023	18.561	ug/l	97
8) Diethyl Ether	2.136	74	16033	17.571	ug/l	89
9) 1,1,2-Trichlorotrifluo...	2.319	101	24757	16.970	ug/l	88
10) Methyl Iodide	2.441	142	17971	10.215	ug/l	90
11) Tert butyl alcohol	3.020	59	37150m	116.575	ug/l	
12) 1,1-Dichloroethene	2.307	96	22157	16.270	ug/l	82
13) Acrolein	2.240	56	22435	62.757	ug/l	98
14) Allyl chloride	2.654	41	46837	21.171	ug/l	97
15) Acrylonitrile	3.069	53	90818	111.525	ug/l	96
16) Acetone	2.392	43	72472	111.927	ug/l	94
17) Carbon Disulfide	2.502	76	48887	17.184	ug/l	100
18) Methyl Acetate	2.703	43	43434	22.676	ug/l	96
19) Methyl tert-butyl Ether	3.117	73	102456	21.045	ug/l	100
20) Methylene Chloride	2.788	84	31865	20.150	ug/l	90
21) trans-1,2-Dichloroethene	3.087	96	27944	18.568	ug/l	88
22) Diisopropyl ether	3.758	45	98745	20.644	ug/l	94
23) Vinyl Acetate	3.721	43	454183	110.991	ug/l	96
24) 1,1-Dichloroethane	3.605	63	53096	19.858	ug/l	96
25) 2-Butanone	4.562	43	130607	118.112	ug/l	96
26) 2,2-Dichloropropane	4.471	77	44067	19.500	ug/l	94
27) cis-1,2-Dichloroethene	4.483	96	35711	19.144	ug/l	90
28) Bromochloromethane	4.898	49	19009	18.734	ug/l	# 76
29) Tetrahydrofuran	5.013	42	85651	113.697	ug/l	96
30) Chloroform	5.093	83	57936	20.187	ug/l	100
31) Cyclohexane	5.458	56	43605	18.214	ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	49264	19.149	ug/l	97
36) 1,1-Dichloropropene	5.684	75	35438	21.766	ug/l	95
37) Ethyl Acetate	4.715	43	50765	28.419	ug/l	99
38) Carbon Tetrachloride	5.666	117	43218	23.766	ug/l	96
39) Methylcyclohexane	7.373	83	38441	17.801	ug/l	93
40) Benzene	6.032	78	102631	20.411	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	26303	28.285	ug/l	93
42) 1,2-Dichloroethane	6.086	62	38638	22.162	ug/l	95
43) Isopropyl Acetate	6.342	43	62133	21.593	ug/l	98
44) Trichloroethene	7.123	130	26664	18.239	ug/l	81
45) 1,2-Dichloropropane	7.428	63	24383	20.225	ug/l	95
46) Dibromomethane	7.580	93	20340	22.626	ug/l #	77
47) Bromodichloromethane	7.818	83	42414	25.596	ug/l	99
48) Methyl methacrylate	7.696	41	36591	26.885	ug/l	94
49) 1,4-Dioxane	7.671	88	17404	594.111	ug/l #	77
51) 4-Methyl-2-Pentanone	8.574	43	264796	147.018	ug/l	99
52) Toluene	8.714	92	76963	24.291	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	41329	25.427	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	44428	24.044	ug/l	94
55) 1,1,2-Trichloroethane	9.153	97	32316	26.139	ug/l	97
56) Ethyl methacrylate	9.116	69	50450	26.693	ug/l	97
57) 1,3-Dichloropropane	9.305	76	52895	25.846	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	98193	106.747	ug/l	92
59) 2-Hexanone	9.433	43	208507	150.965	ug/l	97
60) Dibromochloromethane	9.519	129	36475	25.558	ug/l	98
61) 1,2-Dibromoethane	9.610	107	34069	25.685	ug/l	99
64) Tetrachloroethene	9.269	164	31443	17.565	ug/l	92
65) Chlorobenzene	10.080	112	89737	18.681	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	32718	19.885	ug/l	99
67) Ethyl Benzene	10.195	91	145169	18.937	ug/l	98
68) m/p-Xylenes	10.299	106	104737	33.844	ug/l	93
69) o-Xylene	10.640	106	51510	17.114	ug/l	93
70) Styrene	10.653	104	84977	17.354	ug/l	96
71) Bromoform	10.799	173	25303	17.987	ug/l #	99
73) Isopropylbenzene	10.964	105	119724	18.589	ug/l	97
74) N-amyl acetate	10.842	43	58591	23.147	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.214	83	42898	21.120	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	33775m	20.251	ug/l	
77) Bromobenzene	11.195	156	34379	18.342	ug/l	78
78) n-propylbenzene	11.305	91	127635	18.353	ug/l	96
79) 2-Chlorotoluene	11.360	91	82256	18.691	ug/l	94
80) 1,3,5-Trimethylbenzene	11.451	105	99713	18.609	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	10991	18.593	ug/l	96
82) 4-Chlorotoluene	11.451	91	92726	18.593	ug/l	93
83) tert-Butylbenzene	11.713	119	108594	18.925	ug/l	92
84) 1,2,4-Trimethylbenzene	11.750	105	101572	19.099	ug/l	94
85) sec-Butylbenzene	11.890	105	126634	19.111	ug/l	95
86) p-Isopropyltoluene	12.006	119	112156	19.207	ug/l	95
87) 1,3-Dichlorobenzene	11.970	146	61697	18.325	ug/l	94
88) 1,4-Dichlorobenzene	12.043	146	63685	18.436	ug/l	96
89) n-Butylbenzene	12.329	91	85305	19.241	ug/l	97
90) Hexachloroethane	12.536	117	18207	18.902	ug/l #	57
91) 1,2-Dichlorobenzene	12.335	146	64733	19.196	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	12.939	75	10309	24.189	ug/l	63
93) 1,2,4-Trichlorobenzene	13.585	180	53607	22.928	ug/l	96
94) Hexachlorobutadiene	13.725	225	26892	22.512	ug/l	99
95) Naphthalene	13.774	128	169093	25.171	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	57832	23.483	ug/l	96

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

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