

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071024\
 Data File : VX042259.D
 Acq On : 10 Jul 2024 12:03
 Operator : JC/MD
 Sample : VX0710WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0710WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/11/2024
 Supervised By : Mahesh Dadoda 07/11/2024

Quant Time: Jul 11 00:53:34 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061824W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 23:51:58 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	162250	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	227967	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	205593	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	115405	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	81269	43.437	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	86.880%		
35) Dibromofluoromethane	5.385	113	75704	46.802	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.600%		
50) Toluene-d8	8.647	98	250400	44.065	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	88.120%#		
62) 4-Bromofluorobenzene	11.079	95	97390	46.493	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	92.980%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.167	85	27218	22.020	ug/l	99
3) Chloromethane	1.301	50	27336	17.628	ug/l	99
4) Vinyl Chloride	1.374	62	27226	17.515	ug/l	95
5) Bromomethane	1.593	94	15358	20.008	ug/l	97
6) Chloroethane	1.666	64	14976	21.415	ug/l	98
7) Trichlorofluoromethane	1.874	101	43936	21.573	ug/l	98
8) Diethyl Ether	2.136	74	17220	18.013	ug/l	87
9) 1,1,2-Trichlorotrifluo...	2.319	101	29380	20.942	ug/l	# 86
10) Methyl Iodide	2.441	142	34938	20.037	ug/l	# 86
11) Tert butyl alcohol	2.989	59	40165	113.117	ug/l	97
12) 1,1-Dichloroethene	2.307	96	27553	19.689	ug/l	82
13) Acrolein	2.239	56	31979	80.345	ug/l	100
14) Allyl chloride	2.654	41	44368	19.991	ug/l	89
15) Acrylonitrile	3.069	53	92627	99.872	ug/l	97
16) Acetone	2.386	43	71506	87.040	ug/l	91
17) Carbon Disulfide	2.502	76	53614	18.790	ug/l	98
18) Methyl Acetate	2.709	43	40775	18.194	ug/l	93
19) Methyl tert-butyl Ether	3.117	73	94335	20.404	ug/l	99
20) Methylene Chloride	2.782	84	32585	18.114	ug/l	89
21) trans-1,2-Dichloroethene	3.087	96	27774	19.555	ug/l	83
22) Diisopropyl ether	3.764	45	91420	19.487	ug/l	91
23) Vinyl Acetate	3.721	43	408492	101.960	ug/l	95
24) 1,1-Dichloroethane	3.605	63	51463	19.589	ug/l	96
25) 2-Butanone	4.562	43	122695	95.998	ug/l	90
26) 2,2-Dichloropropane	4.477	77	37561	19.743	ug/l	93
27) cis-1,2-Dichloroethene	4.483	96	35183	19.779	ug/l	85
28) Bromochloromethane	4.898	49	21977	19.531	ug/l	# 70
29) Tetrahydrofuran	5.007	42	80771	97.852	ug/l	92
30) Chloroform	5.093	83	54938	20.072	ug/l	95
31) Cyclohexane	5.458	56	42193	19.284	ug/l	92
32) 1,1,1-Trichloroethane	5.379	97	45735	19.998	ug/l	95
36) 1,1-Dichloropropene	5.684	75	34516	20.095	ug/l	94
37) Ethyl Acetate	4.721	43	46194	20.645	ug/l	97
38) Carbon Tetrachloride	5.672	117	39854	21.000	ug/l	99
39) Methylcyclohexane	7.379	83	45844	21.104	ug/l	91
40) Benzene	6.031	78	118739	20.497	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	24864	20.499	ug/l	92
42) 1,2-Dichloroethane	6.086	62	39261	21.040	ug/l	91
43) Isopropyl Acetate	6.348	43	67914	19.774	ug/l #	94
44) Trichloroethene	7.123	130	32424	20.880	ug/l	85
45) 1,2-Dichloropropane	7.428	63	28605	20.081	ug/l	97
46) Dibromomethane	7.580	93	21670	20.879	ug/l #	76
47) Bromodichloromethane	7.818	83	38578	20.245	ug/l	96
48) Methyl methacrylate	7.696	41	33396	20.375	ug/l #	85
49) 1,4-Dioxane	7.665	88	13116	316.320	ug/l #	96
51) 4-Methyl-2-Pentanone	8.574	43	238765	100.922	ug/l	95
52) Toluene	8.720	92	76132	20.638	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	37959	19.684	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	44107	21.142	ug/l #	86
55) 1,1,2-Trichloroethane	9.153	97	32213	20.961	ug/l	97
56) Ethyl methacrylate	9.116	69	48688	20.365	ug/l #	88
57) 1,3-Dichloropropane	9.305	76	51205	20.624	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	109229	98.040	ug/l	92
59) 2-Hexanone	9.433	43	183092	101.043	ug/l	91
60) Dibromochloromethane	9.519	129	34645	20.754	ug/l	99
61) 1,2-Dibromoethane	9.610	107	33477	21.005	ug/l	99
64) Tetrachloroethene	9.275	164	32017	21.389	ug/l	90
65) Chlorobenzene	10.080	112	87711	20.513	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	31479	21.028	ug/l	98
67) Ethyl Benzene	10.195	91	139105	20.759	ug/l	97
68) m/p-Xylenes	10.299	106	112050	41.424	ug/l	93
69) o-Xylene	10.640	106	55844	20.853	ug/l	93
70) Styrene	10.653	104	94284	20.995	ug/l	94
71) Bromoform	10.799	173	27784	20.263	ug/l #	99
73) Isopropylbenzene	10.964	105	144820	20.638	ug/l	97
74) N-amyl acetate	10.842	43	58923	18.904	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.213	83	50916	19.514	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	41074m	19.605	ug/l	
77) Bromobenzene	11.195	156	41454	19.836	ug/l	77
78) n-propylbenzene	11.305	91	154515	20.294	ug/l	96
79) 2-Chlorotoluene	11.366	91	98609	20.102	ug/l	92
80) 1,3,5-Trimethylbenzene	11.451	105	121470	20.783	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.018	75	13326	18.064	ug/l	91
82) 4-Chlorotoluene	11.451	91	110174	20.317	ug/l	92
83) tert-Butylbenzene	11.713	119	127234	19.839	ug/l	90
84) 1,2,4-Trimethylbenzene	11.750	105	121908	20.790	ug/l	94
85) sec-Butylbenzene	11.890	105	149001	20.541	ug/l	95
86) p-Isopropyltoluene	12.006	119	130155	20.540	ug/l	94
87) 1,3-Dichlorobenzene	11.969	146	72087	19.624	ug/l	94
88) 1,4-Dichlorobenzene	12.043	146	75329	19.987	ug/l	95
89) n-Butylbenzene	12.329	91	97059	19.898	ug/l	97
90) Hexachloroethane	12.536	117	21140	19.596	ug/l #	57
91) 1,2-Dichlorobenzene	12.335	146	74403	19.794	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	12.945	75	9993	19.327	ug/l #	47
93) 1,2,4-Trichlorobenzene	13.585	180	48974	19.889	ug/l	96
94) Hexachlorobutadiene	13.725	225	25059	20.126	ug/l	99
95) Naphthalene	13.774	128	149906	18.594	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	50884	19.594	ug/l	95

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

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