

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071724\
 Data File : VX042356.D
 Acq On : 17 Jul 2024 12:57
 Operator : JC/MD
 Sample : VX0717WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0717WBSD01

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

07/18/2024
 Supervised By :Mahesh
 Dadoda

Quant Time: Jul 18 00:56:55 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	156944	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	216090	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	204442	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	123852	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	77288	42.706	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	85.420%
35) Dibromofluoromethane	5.385	113	77013	50.228	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.460%
50) Toluene-d8	8.647	98	246714	45.802	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	91.600%#
62) 4-Bromofluorobenzene	11.079	95	102911	51.829	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	103.660%

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.166	85	22392	18.728	ug/l	98
3) Chloromethane	1.300	50	20880	13.920	ug/l	95
4) Vinyl Chloride	1.374	62	21965	14.608	ug/l	99
5) Bromomethane	1.605	94	14726	19.834	ug/l	93
6) Chloroethane	1.684	64	14531	21.491	ug/l	95
7) Trichlorofluoromethane	1.886	101	39165	19.881	ug/l	97
8) Diethyl Ether	2.136	74	15011	16.233	ug/l	86
9) 1,1,2-Trichlorotrifluo...	2.325	101	26447	19.489	ug/l #	85
10) Methyl Iodide	2.453	142	29728	17.625	ug/l #	87
11) Tert butyl alcohol	2.959	59	31708	92.319	ug/l #	92
12) 1,1-Dichloroethene	2.319	96	24634	18.198	ug/l #	78
13) Acrolein	2.233	56	12668	32.903	ug/l	99
14) Allyl chloride	2.660	41	38817	18.081	ug/l #	88
15) Acrylonitrile	3.062	53	79699	88.838	ug/l	99
16) Acetone	2.379	43	68761	86.528	ug/l #	89
17) Carbon Disulfide	2.514	76	49236	17.839	ug/l	100
18) Methyl Acetate	2.703	43	38874	17.932	ug/l	91
19) Methyl tert-butyl Ether	3.117	73	85478	19.114	ug/l	96
20) Methylene Chloride	2.788	84	28429	16.338	ug/l #	86
21) trans-1,2-Dichloroethene	3.087	96	25310	18.423	ug/l	86
22) Diisopropyl ether	3.763	45	81393	17.937	ug/l #	90
23) Vinyl Acetate	3.721	43	354600	91.501	ug/l #	93
24) 1,1-Dichloroethane	3.611	63	45445	17.883	ug/l	97
25) 2-Butanone	4.556	43	108542	87.795	ug/l	91
26) 2,2-Dichloropropane	4.471	77	35809	19.459	ug/l	93
27) cis-1,2-Dichloroethene	4.489	96	32037	18.619	ug/l	85
28) Bromochloromethane	4.897	49	17173	15.778	ug/l #	64
29) Tetrahydrofuran	5.007	42	68163	85.369	ug/l	89
30) Chloroform	5.092	83	50100	18.924	ug/l	95
31) Cyclohexane	5.464	56	36180	17.094	ug/l	94
32) 1,1,1-Trichloroethane	5.385	97	41856	18.920	ug/l	95
36) 1,1-Dichloropropene	5.690	75	32501	19.961	ug/l	94
37) Ethyl Acetate	4.714	43	37969	17.902	ug/l	94
38) Carbon Tetrachloride	5.678	117	37537	20.866	ug/l	98
39) Methylcyclohexane	7.379	83	40641	19.737	ug/l	90
40) Benzene	6.037	78	105295	19.175	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
41) Methacrylonitrile	4.922	41	21132	18.380	ug/l	#	89
42) 1,2-Dichloroethane	6.086	62	35235	19.920	ug/l		92
43) Isopropyl Acetate	6.342	43	61269	18.820	ug/l	#	94
44) Trichloroethene	7.123	130	30435	20.677	ug/l		88
45) 1,2-Dichloropropane	7.427	63	26307	19.483	ug/l		96
46) Dibromomethane	7.580	93	20143	20.475	ug/l	#	73
47) Bromodichloromethane	7.818	83	37367	20.688	ug/l		97
48) Methyl methacrylate	7.696	41	29504	18.989	ug/l	#	83
49) 1,4-Dioxane	7.659	88	14382	362.792	ug/l	#	86
51) 4-Methyl-2-Pentanone	8.573	43	210228	93.744	ug/l		94
52) Toluene	8.714	92	68881	19.698	ug/l		98
53) t-1,3-Dichloropropene	8.976	75	36651	20.030	ug/l		98
54) cis-1,3-Dichloropropene	8.366	75	41338	20.904	ug/l	#	85
55) 1,1,2-Trichloroethane	9.153	97	29818	20.469	ug/l		98
56) Ethyl methacrylate	9.116	69	44379	19.583	ug/l	#	87
57) 1,3-Dichloropropane	9.305	76	46466	19.744	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	102337	96.903	ug/l		91
59) 2-Hexanone	9.427	43	159408	92.808	ug/l		91
60) Dibromochloromethane	9.518	129	34394	21.736	ug/l		98
61) 1,2-Dibromoethane	9.610	107	31029	20.539	ug/l		97
64) Tetrachloroethene	9.275	164	30472	20.471	ug/l		86
65) Chlorobenzene	10.079	112	83169	19.561	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	29894	20.081	ug/l		98
67) Ethyl Benzene	10.195	91	129304	19.405	ug/l		96
68) m/p-Xylenes	10.299	106	106312	39.524	ug/l		89
69) o-Xylene	10.640	106	51069	19.177	ug/l		90
70) Styrene	10.652	104	88805	19.886	ug/l		93
71) Bromoform	10.799	173	27467	20.152	ug/l	#	98
73) Isopropylbenzene	10.963	105	135815	18.035	ug/l		98
74) N-amyl acetate	10.841	43	51209	15.309	ug/l		91
75) 1,1,2,2-Tetrachloroethane	11.213	83	46290	16.531	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	36907m	16.415	ug/l		
77) Bromobenzene	11.195	156	39377	17.557	ug/l		78
78) n-propylbenzene	11.305	91	149041	18.240	ug/l		95
79) 2-Chlorotoluene	11.366	91	91068	17.299	ug/l		91
80) 1,3,5-Trimethylbenzene	11.451	105	111936	17.845	ug/l		95
81) trans-1,4-Dichloro-2-b...	11.018	75	12718	16.064	ug/l		86
82) 4-Chlorotoluene	11.451	91	105752	18.172	ug/l		91
83) tert-Butylbenzene	11.713	119	119214	17.321	ug/l		89
84) 1,2,4-Trimethylbenzene	11.750	105	112682	17.906	ug/l		94
85) sec-Butylbenzene	11.890	105	140940	18.105	ug/l		94
86) p-Isopropyltoluene	12.006	119	126893	18.660	ug/l		94
87) 1,3-Dichlorobenzene	11.969	146	72959	18.507	ug/l		94
88) 1,4-Dichlorobenzene	12.042	146	74892	18.515	ug/l		96
89) n-Butylbenzene	12.329	91	104044	19.876	ug/l		97
90) Hexachloroethane	12.536	117	19683	17.001	ug/l	#	55
91) 1,2-Dichlorobenzene	12.335	146	71511	17.727	ug/l		95
92) 1,2-Dibromo-3-Chloropr...	12.945	75	9363	16.873	ug/l	#	42
93) 1,2,4-Trichlorobenzene	13.585	180	52713	19.947	ug/l		95
94) Hexachlorobutadiene	13.725	225	26238	19.635	ug/l		99
95) Naphthalene	13.774	128	145430	16.881	ug/l		99
96) 1,2,3-Trichlorobenzene	13.963	180	53405	19.162	ug/l		95

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

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