

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092524\
 Data File : VX043140.D
 Acq On : 25 Sep 2024 10:11
 Operator : JC/MD
 Sample : VX0925WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0925WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/26/2024
 Supervised By : Mahesh Dadoda 09/26/2024

Quant Time: Sep 26 01:30:04 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092324W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 24 03:13:52 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	106053	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	182702	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	165750	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	84006	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	90273	51.245	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.500%			
35) Dibromofluoromethane	5.379	113	67234	52.166	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.340%			
50) Toluene-d8	8.647	98	232176	53.246	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.500%			
62) 4-Bromofluorobenzene	11.079	95	96435	54.917	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 109.840%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	22099	19.540	ug/l	99
3) Chloromethane	1.300	50	20868	18.073	ug/l	97
4) Vinyl Chloride	1.374	62	22467	19.155	ug/l	97
5) Bromomethane	1.611	94	15236	22.580	ug/l	92
6) Chloroethane	1.691	64	14592	19.431	ug/l	99
7) Trichlorofluoromethane	1.886	101	40076	19.250	ug/l	99
8) Diethyl Ether	2.136	74	13882	19.860	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.331	101	23833	20.282	ug/l	99
10) Methyl Iodide	2.453	142	26714	19.127	ug/l	98
11) Tert butyl alcohol	2.959	59	39645	100.796	ug/l	98
12) 1,1-Dichloroethene	2.319	96	22129	19.688	ug/l	98
13) Acrolein	2.239	56	4851	93.615	ug/l	99
14) Allyl chloride	2.666	41	41037	19.663	ug/l	97
15) Acrylonitrile	3.062	53	69740	102.218	ug/l	99
16) Acetone	2.380	43	70143	85.143	ug/l	97
17) Carbon Disulfide	2.514	76	51248	18.343	ug/l	98
18) Methyl Acetate	2.703	43	49276	22.223	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	87890	20.522	ug/l	100
20) Methylene Chloride	2.788	84	25619	19.546	ug/l	90
21) trans-1,2-Dichloroethene	3.093	96	23186	19.936	ug/l	94
22) Diisopropyl ether	3.763	45	81722	20.912	ug/l	96
23) Vinyl Acetate	3.721	43	470091	102.258	ug/l	99
24) 1,1-Dichloroethane	3.605	63	45673	20.214	ug/l	99
25) 2-Butanone	4.556	43	103126	97.108	ug/l	98
26) 2,2-Dichloropropane	4.471	77	43819	19.161	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	29392	20.301	ug/l	100
28) Bromochloromethane	4.897	49	21509	21.626	ug/l	100
29) Tetrahydrofuran	5.007	42	63545	99.497	ug/l	99
30) Chloroform	5.092	83	50447	20.249	ug/l	100
31) Cyclohexane	5.464	56	34543	19.939	ug/l	98
32) 1,1,1-Trichloroethane	5.379	97	46303	19.621	ug/l	99
36) 1,1-Dichloropropene	5.690	75	32186	20.323	ug/l	100
37) Ethyl Acetate	4.714	43	38507	19.358	ug/l	99
38) Carbon Tetrachloride	5.678	117	39108	19.170	ug/l	98
39) Methylcyclohexane	7.379	83	38866	19.555	ug/l	98
40) Benzene	6.037	78	95207	20.374	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	20930	21.164	ug/l	97
42) 1,2-Dichloroethane	6.086	62	41041	20.683	ug/l	99
43) Isopropyl Acetate	6.336	43	66167	19.915	ug/l	99
44) Trichloroethene	7.123	130	25991	20.328	ug/l	95
45) 1,2-Dichloropropane	7.427	63	24180	20.774	ug/l	97
46) Dibromomethane	7.580	93	19593	19.990	ug/l	100
47) Bromodichloromethane	7.818	83	41513	20.369	ug/l	99
48) Methyl methacrylate	7.690	41	33354	20.438	ug/l	97
49) 1,4-Dioxane	7.653	88	13212	428.852	ug/l	95
51) 4-Methyl-2-Pentanone	8.567	43	210148	102.956	ug/l	100
52) Toluene	8.720	92	62283	20.696	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	42315	20.226	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	42511	20.346	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	26010	20.991	ug/l	96
56) Ethyl methacrylate	9.116	69	44401	20.592	ug/l	99
57) 1,3-Dichloropropane	9.305	76	43341	20.565	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	96112	110.242	ug/l	99
59) 2-Hexanone	9.427	43	164306	102.947	ug/l	100
60) Dibromochloromethane	9.518	129	32078	19.824	ug/l	100
61) 1,2-Dibromoethane	9.610	107	28143	20.757	ug/l	98
64) Tetrachloroethene	9.275	164	22885	19.056	ug/l	97
65) Chlorobenzene	10.079	112	71148	19.898	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	26141	19.821	ug/l	99
67) Ethyl Benzene	10.195	91	126850	20.509	ug/l	98
68) m/p-Xylenes	10.299	106	95275	41.392	ug/l	100
69) o-Xylene	10.640	106	46113	19.974	ug/l	98
70) Styrene	10.652	104	79509	20.646	ug/l	99
71) Bromoform	10.799	173	21938	18.912	ug/l #	100
73) Isopropylbenzene	10.963	105	124334	19.735	ug/l	99
74) N-amyl acetate	10.841	43	58748	19.846	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	40741	20.096	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	35632m	19.951	ug/l	
77) Bromobenzene	11.195	156	29593	19.567	ug/l	98
78) n-propylbenzene	11.305	91	145717	20.386	ug/l	99
79) 2-Chlorotoluene	11.360	91	87436	19.503	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	103896	19.932	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	14026	18.711	ug/l	97
82) 4-Chlorotoluene	11.451	91	103635	20.224	ug/l	100
83) tert-Butylbenzene	11.713	119	104357	19.429	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	103857	20.027	ug/l	100
85) sec-Butylbenzene	11.890	105	131581	19.932	ug/l	100
86) p-Isopropyltoluene	12.006	119	110593	20.179	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	56641	20.539	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	55867	20.202	ug/l	98
89) n-Butylbenzene	12.329	91	98499	20.622	ug/l	99
90) Hexachloroethane	12.536	117	20937	19.169	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	54247	19.974	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	10246	18.693	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	34213	20.319	ug/l	99
94) Hexachlorobutadiene	13.725	225	13722	19.397	ug/l	95
95) Naphthalene	13.774	128	121971	20.841	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	33551	20.056	ug/l	99

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

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