

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092424\
 Data File : VX043120.D
 Acq On : 24 Sep 2024 14:16
 Operator : JC/MD
 Sample : VX0924WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0924WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/25/2024
 Supervised By : Mahesh Dadoda 09/25/2024

Quant Time: Sep 25 01:27:30 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	5.556	168	109139	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	197856	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	181263	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	90701	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	89805	49.538	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.080%		
35) Dibromofluoromethane	5.385	113	66830	47.881	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.760%		
50) Toluene-d8	8.647	98	220037	46.597	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	93.200%		
62) 4-Bromofluorobenzene	11.079	95	90927	47.815	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	95.620%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	20498	17.612	ug/l	99
3) Chloromethane	1.300	50	20687	17.409	ug/l	95
4) Vinyl Chloride	1.374	62	21906	18.149	ug/l	97
5) Bromomethane	1.605	94	15554	22.399	ug/l	97
6) Chloroethane	1.691	64	14646	18.952	ug/l	98
7) Trichlorofluoromethane	1.892	101	38541	17.989	ug/l	97
8) Diethyl Ether	2.136	74	14585	20.276	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.331	101	22292	18.434	ug/l	100
10) Methyl Iodide	2.453	142	27929	19.432	ug/l	99
11) Tert butyl alcohol	2.959	59	41594	102.761	ug/l	99
12) 1,1-Dichloroethene	2.318	96	21986	19.008	ug/l	98
13) Acrolein	2.239	56	4345	81.479	ug/l	93
14) Allyl chloride	2.666	41	39807	18.534	ug/l	99
15) Acrylonitrile	3.062	53	75517	107.556	ug/l	97
16) Acetone	2.379	43	72018	84.947	ug/l	97
17) Carbon Disulfide	2.514	76	50146	17.441	ug/l	98
18) Methyl Acetate	2.703	43	53242	23.332	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	93576	21.232	ug/l	95
20) Methylene Chloride	2.788	84	26053	19.315	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	22623	18.902	ug/l	97
22) Diisopropyl ether	3.763	45	83732	20.820	ug/l	88
23) Vinyl Acetate	3.721	43	490660	103.714	ug/l	98
24) 1,1-Dichloroethane	3.611	63	46050	19.805	ug/l	99
25) 2-Butanone	4.556	43	108305	99.101	ug/l	98
26) 2,2-Dichloropropane	4.477	77	41375	17.581	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	30065	20.178	ug/l	98
28) Bromochloromethane	4.897	49	23559	23.017	ug/l	98
29) Tetrahydrofuran	5.001	42	67927	103.351	ug/l	98
30) Chloroform	5.092	83	51277	20.001	ug/l	97
31) Cyclohexane	5.470	56	33961	19.049	ug/l	99
32) 1,1,1-Trichloroethane	5.379	97	46749	19.250	ug/l	99
36) 1,1-Dichloropropene	5.696	75	30973	18.060	ug/l	99
37) Ethyl Acetate	4.714	43	41109	19.083	ug/l	99
38) Carbon Tetrachloride	5.678	117	37995	17.198	ug/l	99
39) Methylcyclohexane	7.379	83	36412	16.917	ug/l	96
40) Benzene	6.037	78	95795	18.929	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	23181	21.645	ug/l	99
42) 1,2-Dichloroethane	6.086	62	42101	19.593	ug/l	100
43) Isopropyl Acetate	6.342	43	72226	20.073	ug/l	100
44) Trichloroethene	7.123	130	25411	18.352	ug/l	97
45) 1,2-Dichloropropane	7.433	63	24847	19.712	ug/l	93
46) Dibromomethane	7.580	93	20526	19.338	ug/l	99
47) Bromodichloromethane	7.818	83	42645	19.322	ug/l	98
48) Methyl methacrylate	7.696	41	34517	19.531	ug/l	98
49) 1,4-Dioxane	7.659	88	13651	409.164	ug/l	97
51) 4-Methyl-2-Pentanone	8.573	43	222843	100.813	ug/l	99
52) Toluene	8.720	92	62093	19.052	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	43220	19.076	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	44175	19.523	ug/l	96
55) 1,1,2-Trichloroethane	9.153	97	27404	20.422	ug/l	96
56) Ethyl methacrylate	9.116	69	47020	20.137	ug/l	99
57) 1,3-Dichloropropane	9.305	76	45228	19.817	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	81941	86.789	ug/l	100
59) 2-Hexanone	9.427	43	173497	100.380	ug/l	100
60) Dibromochloromethane	9.518	129	34272	19.557	ug/l	98
61) 1,2-Dibromoethane	9.610	107	29781	20.283	ug/l	100
64) Tetrachloroethene	9.275	164	22976	17.494	ug/l	92
65) Chlorobenzene	10.079	112	70962	18.148	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	26541	18.402	ug/l	99
67) Ethyl Benzene	10.195	91	123272	18.225	ug/l	98
68) m/p-Xylenes	10.299	106	91134	36.204	ug/l	97
69) o-Xylene	10.640	106	45977	18.211	ug/l	100
70) Styrene	10.652	104	78256	18.582	ug/l	99
71) Bromoform	10.799	173	23110	18.218	ug/l #	99
73) Isopropylbenzene	10.963	105	121429	17.851	ug/l	100
74) N-amyl acetate	10.841	43	61372	19.202	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	42372	19.358	ug/l	97
76) 1,2,3-Trichloropropane	11.238	75	36504m	18.930	ug/l	
77) Bromobenzene	11.195	156	30324	18.570	ug/l	98
78) n-propylbenzene	11.305	91	138446	17.939	ug/l	100
79) 2-Chlorotoluene	11.366	91	85435	17.650	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	101024	17.950	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	14401	17.793	ug/l	99
82) 4-Chlorotoluene	11.451	91	100186	18.108	ug/l	98
83) tert-Butylbenzene	11.713	119	101543	17.510	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	101477	18.124	ug/l	99
85) sec-Butylbenzene	11.890	105	123375	17.310	ug/l	100
86) p-Isopropyltoluene	12.006	119	104183	17.606	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	54160	18.190	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	55367	18.544	ug/l	100
89) n-Butylbenzene	12.329	91	92567	17.949	ug/l	99
90) Hexachloroethane	12.536	117	19629	16.645	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	54139	18.463	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	11469	19.380	ug/l	98
93) 1,2,4-Trichlorobenzene	13.591	180	32916	18.106	ug/l	96
94) Hexachlorobutadiene	13.725	225	12297	16.100	ug/l	94
95) Naphthalene	13.774	128	123534	19.550	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	33780	18.702	ug/l	98

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

