

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080924\
 Data File : VX042990.D
 Acq On : 09 Aug 2024 12:42
 Operator : JC/MD
 Sample : VX0809WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0809WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/10/2024
 Supervised By : Mahesh Dadoda 08/12/2024

Quant Time: Aug 09 16:26:59 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X080724W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 07 02:55:22 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	224530	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	369369	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	332248	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	161120	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	166164	53.908	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 107.820%			
35) Dibromofluoromethane	5.385	113	126297	52.294	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.580%			
50) Toluene-d8	8.647	98	448300	52.288	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 104.580%			
62) 4-Bromofluorobenzene	11.079	95	163700	53.133	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 106.260%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	46082	19.041	ug/l	98
3) Chloromethane	1.301	50	49691	18.844	ug/l	91
4) Vinyl Chloride	1.374	62	47644	19.043	ug/l	96
5) Bromomethane	1.593	94	29948	19.778	ug/l	96
6) Chloroethane	1.660	64	26730	18.753	ug/l	99
7) Trichlorofluoromethane	1.868	101	66897	17.193	ug/l	98
8) Diethyl Ether	2.136	74	27611	19.293	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.313	101	47308	19.338	ug/l	95
10) Methyl Iodide	2.441	142	50916	20.129	ug/l	93
11) Tert butyl alcohol	2.995	59	63498	103.569	ug/l #	95
12) 1,1-Dichloroethene	2.307	96	45937	18.562	ug/l	90
13) Acrolein	2.239	56	53942	89.260	ug/l	98
14) Allyl chloride	2.654	41	76957	20.580	ug/l	96
15) Acrylonitrile	3.069	53	160962	102.862	ug/l	98
16) Acetone	2.392	43	137749	103.033	ug/l	97
17) Carbon Disulfide	2.502	76	100580	16.701	ug/l	96
18) Methyl Acetate	2.709	43	86472	20.396	ug/l	97
19) Methyl tert-butyl Ether	3.117	73	166796	20.024	ug/l	97
20) Methylene Chloride	2.788	84	54183	18.889	ug/l	93
21) trans-1,2-Dichloroethene	3.087	96	46982	18.869	ug/l	92
22) Diisopropyl ether	3.764	45	167076	20.338	ug/l	95
23) Vinyl Acetate	3.721	43	982641	105.393	ug/l	99
24) 1,1-Dichloroethane	3.605	63	91826	19.436	ug/l	98
25) 2-Butanone	4.568	43	223955	106.667	ug/l	98
26) 2,2-Dichloropropane	4.471	77	67392	23.202	ug/l	96
27) cis-1,2-Dichloroethene	4.489	96	56646	19.184	ug/l	94
28) Bromochloromethane	4.898	49	34899	19.251	ug/l	88
29) Tetrahydrofuran	5.013	42	143793	101.352	ug/l	97
30) Chloroform	5.093	83	93581	18.920	ug/l	96
31) Cyclohexane	5.465	56	75023	19.452	ug/l	99
32) 1,1,1-Trichloroethane	5.379	97	82090	18.853	ug/l	97
36) 1,1-Dichloropropene	5.684	75	60924	18.606	ug/l	97
37) Ethyl Acetate	4.727	43	85446	20.856	ug/l	99
38) Carbon Tetrachloride	5.672	117	68238	18.461	ug/l	93
39) Methylcyclohexane	7.379	83	77003	19.782	ug/l	95
40) Benzene	6.038	78	199694	19.650	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	45851	21.729	ug/l	96
42) 1,2-Dichloroethane	6.086	62	74404	20.129	ug/l	98
43) Isopropyl Acetate	6.342	43	127551	21.052	ug/l	98
44) Trichloroethene	7.129	130	48350	18.935	ug/l	99
45) 1,2-Dichloropropane	7.428	63	51869	20.121	ug/l	96
46) Dibromomethane	7.580	93	37118	19.604	ug/l	94
47) Bromodichloromethane	7.824	83	69221	19.681	ug/l	100
48) Methyl methacrylate	7.696	41	61900	21.306	ug/l	94
49) 1,4-Dioxane	7.671	88	27584	427.705	ug/l #	78
51) 4-Methyl-2-Pentanone	8.574	43	443003	109.155	ug/l	100
52) Toluene	8.720	92	121717	19.745	ug/l	93
53) t-1,3-Dichloropropene	8.976	75	65711	20.211	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	74316	20.697	ug/l	92
55) 1,1,2-Trichloroethane	9.153	97	53141	21.206	ug/l	94
56) Ethyl methacrylate	9.116	69	82188	20.381	ug/l	98
57) 1,3-Dichloropropane	9.305	76	84968	20.698	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	187876	98.852	ug/l	98
59) 2-Hexanone	9.433	43	342496	108.909	ug/l	99
60) Dibromochloromethane	9.519	129	52664	19.130	ug/l	99
61) 1,2-Dibromoethane	9.610	107	53605	20.246	ug/l	99
64) Tetrachloroethene	9.275	164	44288	19.171	ug/l	95
65) Chlorobenzene	10.080	112	133445	18.927	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	46151	18.984	ug/l	97
67) Ethyl Benzene	10.195	91	233546	19.693	ug/l	100
68) m/p-Xylenes	10.299	106	180433	39.853	ug/l	98
69) o-Xylene	10.640	106	89170	19.661	ug/l	98
70) Styrene	10.653	104	150386	20.620	ug/l	98
71) Bromoform	10.799	173	36612	18.747	ug/l #	99
73) Isopropylbenzene	10.964	105	226968	19.484	ug/l	100
74) N-amyl acetate	10.842	43	105219	20.074	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	83771	19.631	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	77926m	21.505	ug/l	
77) Bromobenzene	11.195	156	57129	19.280	ug/l	92
78) n-propylbenzene	11.305	91	258946	20.012	ug/l	99
79) 2-Chlorotoluene	11.366	91	161098	19.425	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	194439	20.159	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	22338	20.045	ug/l	98
82) 4-Chlorotoluene	11.457	91	182437	19.571	ug/l	98
83) tert-Butylbenzene	11.713	119	189752	19.143	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	192911	19.867	ug/l	100
85) sec-Butylbenzene	11.890	105	233794	20.030	ug/l	100
86) p-Isopropyltoluene	12.006	119	193075	19.910	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	103000	19.207	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	104812	19.068	ug/l	99
89) n-Butylbenzene	12.335	91	160887	19.231	ug/l	97
90) Hexachloroethane	12.536	117	31605	17.817	ug/l	88
91) 1,2-Dichlorobenzene	12.335	146	105336	19.615	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	17530	18.695	ug/l	84
93) 1,2,4-Trichlorobenzene	13.591	180	58871	17.973	ug/l	98
94) Hexachlorobutadiene	13.725	225	26944	19.395	ug/l	97
95) Naphthalene	13.774	128	217169	19.159	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	64109	19.443	ug/l	98

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

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