

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122324\
 Data File : VX044484.D
 Acq On : 23 Dec 2024 16:46
 Operator : JC/MD
 Sample : VX1223WBS03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1223WBS03

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/26/2024
 Supervised By : Mahesh Dadoda 12/26/2024

Quant Time: Dec 23 22:12:23 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 12 04:28:14 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	136426	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	230675	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	197773	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	93712	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	104522	43.697	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	87.400%		
35) Dibromofluoromethane	5.379	113	83146	52.043	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	104.080%		
50) Toluene-d8	8.647	98	282252	52.366	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	104.740%		
62) 4-Bromofluorobenzene	11.079	95	98037	52.054	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	104.100%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	35681	16.914	ug/l	98
3) Chloromethane	1.294	50	34450	17.078	ug/l	97
4) Vinyl Chloride	1.374	62	36105	17.180	ug/l	95
5) Bromomethane	1.593	94	24727	16.585	ug/l	95
6) Chloroethane	1.666	64	22413	17.127	ug/l	98
7) Trichlorofluoromethane	1.874	101	56884	13.826	ug/l	97
8) Diethyl Ether	2.136	74	20539	14.625	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.319	101	29167	17.519	ug/l	94
10) Methyl Iodide	2.447	142	40160	18.303	ug/l	95
11) Tert butyl alcohol	3.001	59	27656	82.037	ug/l	96
12) 1,1-Dichloroethene	2.312	96	27828	18.198	ug/l	93
13) Acrolein	2.233	56	34567	70.835	ug/l	99
14) Allyl chloride	2.660	41	43269	16.988	ug/l	97
15) Acrylonitrile	3.062	53	72713	77.865	ug/l	96
16) Acetone	2.380	43	64193	65.827	ug/l	96
17) Carbon Disulfide	2.501	76	50832	17.488	ug/l	99
18) Methyl Acetate	2.703	43	37683	14.987	ug/l	95
19) Methyl tert-butyl Ether	3.111	73	97412	16.324	ug/l	96
20) Methylene Chloride	2.788	84	32960	17.995	ug/l	93
21) trans-1,2-Dichloroethene	3.087	96	27761	17.082	ug/l	96
22) Diisopropyl ether	3.757	45	96519	16.828	ug/l #	83
23) Vinyl Acetate	3.715	43	396777	85.091	ug/l	99
24) 1,1-Dichloroethane	3.599	63	55371	17.319	ug/l	99
25) 2-Butanone	4.562	43	96544	69.639	ug/l	97
26) 2,2-Dichloropropane	4.471	77	47079	18.126	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	36799	17.829	ug/l	95
28) Bromochloromethane	4.891	49	29299	18.689	ug/l	92
29) Tetrahydrofuran	5.007	42	62253	69.958	ug/l	98
30) Chloroform	5.080	83	60467	16.834	ug/l	95
31) Cyclohexane	5.458	56	43786	16.960	ug/l	100
32) 1,1,1-Trichloroethane	5.379	97	52091	17.470	ug/l	99
36) 1,1-Dichloropropene	5.684	75	37790	18.299	ug/l	98
37) Ethyl Acetate	4.715	43	39294	15.393	ug/l	97
38) Carbon Tetrachloride	5.672	117	40813	18.356	ug/l	97
39) Methylcyclohexane	7.373	83	45190	18.304	ug/l	95
40) Benzene	6.031	78	121112	19.316	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	20789	15.336	ug/l	94
42) 1,2-Dichloroethane	6.080	62	48045	18.601	ug/l	97
43) Isopropyl Acetate	6.342	43	65736	16.475	ug/l	98
44) Trichloroethene	7.123	130	32559	20.823	ug/l	92
45) 1,2-Dichloropropane	7.421	63	30009	18.733	ug/l	98
46) Dibromomethane	7.580	93	22954	18.470	ug/l	92
47) Bromodichloromethane	7.818	83	39600	18.450	ug/l	100
48) Methyl methacrylate	7.696	41	30544	15.770	ug/l	97
49) 1,4-Dioxane	7.665	88	8523	265.414	ug/l #	83
51) 4-Methyl-2-Pentanone	8.574	43	202796	79.048	ug/l	98
52) Toluene	8.714	92	77555	19.696	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	39372	18.305	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	45608	19.516	ug/l	99
55) 1,1,2-Trichloroethane	9.147	97	30421	19.448	ug/l	97
56) Ethyl methacrylate	9.116	69	43727	17.707	ug/l	98
57) 1,3-Dichloropropane	9.305	76	50156	18.421	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	112759	90.532	ug/l	100
59) 2-Hexanone	9.433	43	145212	78.199	ug/l	98
60) Dibromochloromethane	9.519	129	28097	18.262	ug/l	99
61) 1,2-Dibromoethane	9.610	107	31023	19.484	ug/l	98
64) Tetrachloroethene	9.269	164	28163	21.455	ug/l	97
65) Chlorobenzene	10.079	112	84278	19.887	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.159	131	28171	20.684	ug/l	96
67) Ethyl Benzene	10.195	91	143285	19.568	ug/l	100
68) m/p-Xylenes	10.299	106	109170	40.631	ug/l	93
69) o-Xylene	10.640	106	53058	19.517	ug/l	96
70) Styrene	10.652	104	85331	19.580	ug/l	98
71) Bromoform	10.799	173	16410	19.239	ug/l #	98
73) Isopropylbenzene	10.957	105	137153	19.118	ug/l	99
74) N-amyl acetate	10.841	43	53387	16.102	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.213	83	44755	17.961	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	35038m	16.746	ug/l	
77) Bromobenzene	11.195	156	34470	19.814	ug/l	97
78) n-propylbenzene	11.299	91	150204	18.943	ug/l	97
79) 2-Chlorotoluene	11.360	91	96001	18.721	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	115427	19.402	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	9853	17.567	ug/l	88
82) 4-Chlorotoluene	11.451	91	106582	18.769	ug/l	96
83) tert-Butylbenzene	11.713	119	114705	19.509	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	115005	19.684	ug/l	98
85) sec-Butylbenzene	11.890	105	137779	19.303	ug/l	98
86) p-Isopropyltoluene	12.006	119	117010	19.696	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	61238	20.152	ug/l	97
88) 1,4-Dichlorobenzene	12.036	146	61611	19.723	ug/l	99
89) n-Butylbenzene	12.329	91	94376	18.892	ug/l	99
90) Hexachloroethane	12.536	117	15991	18.440	ug/l	86
91) 1,2-Dichlorobenzene	12.335	146	61558	19.510	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	7109	14.697	ug/l	86
93) 1,2,4-Trichlorobenzene	13.585	180	35380	20.453	ug/l	99
94) Hexachlorobutadiene	13.725	225	15222	21.877	ug/l	97
95) Naphthalene	13.774	128	121575	18.005	ug/l	98
96) 1,2,3-Trichlorobenzene	13.957	180	37987	20.704	ug/l	98

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

