

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032624\
 Data File : VX040794.D
 Acq On : 26 Mar 2024 10:45
 Operator : JC/MD
 Sample : VX0326WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0326WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/27/2024
 Supervised By : Mahesh Dadoda 03/27/2024

Quant Time: Mar 27 02:40:54 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:44:48 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	47023	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	6.757	114	79599	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	69530	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	36907	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	39633	50.126	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.260%			
35) Dibromofluoromethane	5.385	113	28487	47.829	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.660%			
50) Toluene-d8	8.647	98	91102	44.671	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 89.340%#			
62) 4-Bromofluorobenzene	11.079	95	35098	43.560	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 87.120%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	11256	18.497	ug/l	91
3) Chloromethane	1.300	50	9718	15.614	ug/l	97
4) Vinyl Chloride	1.374	62	10527	17.862	ug/l	99
5) Bromomethane	1.611	94	7722	19.437	ug/l	89
6) Chloroethane	1.691	64	6756	16.309	ug/l	96
7) Trichlorofluoromethane	1.892	101	19634	19.040	ug/l	96
8) Diethyl Ether	2.136	74	6046	18.240	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.331	101	10595	17.867	ug/l	98
10) Methyl Iodide	2.453	142	13646	17.381	ug/l	98
11) Tert butyl alcohol	2.953	59	12896	101.853	ug/l #	88
12) 1,1-Dichloroethene	2.325	96	9961	17.934	ug/l	98
13) Acrolein	2.233	56	6379	85.135	ug/l	99
14) Allyl chloride	2.666	41	17825	17.907	ug/l	91
15) Acrylonitrile	3.062	53	30496	97.568	ug/l	100
16) Acetone	2.373	43	28818	102.900	ug/l	99
17) Carbon Disulfide	2.514	76	25040	15.695	ug/l	99
18) Methyl Acetate	2.703	43	13658	18.197	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	34576	18.036	ug/l	96
20) Methylene Chloride	2.788	84	11139	18.196	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	9786	16.690	ug/l	93
22) Diisopropyl ether	3.757	45	34713	17.871	ug/l	91
23) Vinyl Acetate	3.721	43	166459	90.661	ug/l	99
24) 1,1-Dichloroethane	3.611	63	19702	17.659	ug/l	99
25) 2-Butanone	4.550	43	43755	99.748	ug/l	99
26) 2,2-Dichloropropane	4.471	77	16497	16.948	ug/l	98
27) cis-1,2-Dichloroethene	4.495	96	12296	18.103	ug/l	99
28) Bromochloromethane	4.903	49	9103	17.840	ug/l	97
29) Tetrahydrofuran	5.001	42	29611	101.486	ug/l	99
30) Chloroform	5.099	83	22028	18.442	ug/l	95
31) Cyclohexane	5.470	56	16550	17.617	ug/l	97
32) 1,1,1-Trichloroethane	5.385	97	19094	18.598	ug/l	99
36) 1,1-Dichloropropene	5.690	75	14447	16.474	ug/l	99
37) Ethyl Acetate	4.708	43	17516	17.589	ug/l	99
38) Carbon Tetrachloride	5.678	117	16093	16.304	ug/l	94
39) Methylcyclohexane	7.385	83	16909	17.404	ug/l	99
40) Benzene	6.037	78	41048	16.951	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	9319	18.097	ug/l	95
42) 1,2-Dichloroethane	6.086	62	17887	18.254	ug/l	95
43) Isopropyl Acetate	6.336	43	28242	18.060	ug/l	98
44) Trichloroethene	7.123	130	10607	18.275	ug/l	89
45) 1,2-Dichloropropane	7.433	63	10587	18.634	ug/l	97
46) Dibromomethane	7.580	93	8695	19.323	ug/l	96
47) Bromodichloromethane	7.818	83	17354	18.874	ug/l	98
48) Methyl methacrylate	7.690	41	14355	20.085	ug/l	96
49) 1,4-Dioxane	7.659	88	4520	374.721	ug/l #	97
51) 4-Methyl-2-Pentanone	8.567	43	88506	91.265	ug/l	97
52) Toluene	8.714	92	24233	16.779	ug/l	90
53) t-1,3-Dichloropropene	8.976	75	15389	16.180	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	16376	16.648	ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	9727	16.539	ug/l	96
56) Ethyl methacrylate	9.116	69	16950	17.242	ug/l #	95
57) 1,3-Dichloropropane	9.305	76	17436	17.373	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	41343	80.132	ug/l	97
59) 2-Hexanone	9.427	43	71696	95.438	ug/l	96
60) Dibromochloromethane	9.518	129	11745	16.994	ug/l	100
61) 1,2-Dibromoethane	9.610	107	10836	17.448	ug/l	100
64) Tetrachloroethene	9.269	164	8523	16.457	ug/l	96
65) Chlorobenzene	10.079	112	27983	17.745	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	9674	18.027	ug/l	98
67) Ethyl Benzene	10.195	91	50145	17.755	ug/l	97
68) m/p-Xylenes	10.299	106	38120	36.866	ug/l	96
69) o-Xylene	10.640	106	17233	17.348	ug/l	91
70) Styrene	10.652	104	30144	18.127	ug/l	98
71) Bromoform	10.799	173	8160	18.617	ug/l #	99
73) Isopropylbenzene	10.957	105	48013	17.145	ug/l	99
74) N-amyl acetate	10.841	43	23506	17.048	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.207	83	16570	17.478	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	13797m	17.382	ug/l	
77) Bromobenzene	11.195	156	11346	16.739	ug/l	98
78) n-propylbenzene	11.305	91	60365	17.483	ug/l	98
79) 2-Chlorotoluene	11.360	91	35633	17.885	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	41101	17.508	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	5133	16.359	ug/l	94
82) 4-Chlorotoluene	11.451	91	41669	16.675	ug/l	99
83) tert-Butylbenzene	11.713	119	40455	17.181	ug/l	94
84) 1,2,4-Trimethylbenzene	11.750	105	42673	18.060	ug/l	99
85) sec-Butylbenzene	11.890	105	53350	17.818	ug/l	100
86) p-Isopropyltoluene	12.006	119	43990	17.717	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	22076	17.055	ug/l	97
88) 1,4-Dichlorobenzene	12.036	146	23909	17.392	ug/l	99
89) n-Butylbenzene	12.329	91	43390	17.330	ug/l	95
90) Hexachloroethane	12.536	117	7711	17.836	ug/l	95
91) 1,2-Dichlorobenzene	12.335	146	21805	17.146	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.939	75	3923	16.573	ug/l	93
93) 1,2,4-Trichlorobenzene	13.585	180	14679	16.241	ug/l	97
94) Hexachlorobutadiene	13.725	225	5947	16.693	ug/l	96
95) Naphthalene	13.774	128	49144	17.186	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	14256	16.054	ug/l	96

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

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