

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX010424\
 Data File : VX039622.D
 Acq On : 04 Jan 2024 12:35
 Operator : JC/MD
 Sample : VX0104WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0104WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/05/2024
 Supervised By : Mahesh Dadoda 01/05/2024

Quant Time: Jan 05 00:41:55 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121323W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 14 01:28:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	109372	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	202484	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	187038	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	91596	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	90520	45.178	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	90.360%		
35) Dibromofluoromethane	5.385	113	65938	47.137	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.280%		
50) Toluene-d8	8.647	98	246621	47.488	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	94.980%		
62) 4-Bromofluorobenzene	11.079	95	97746	45.617	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	91.240%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	24604	16.009	ug/l	99
3) Chloromethane	1.295	50	28973	17.005	ug/l	100
4) Vinyl Chloride	1.374	62	27468	17.334	ug/l	100
5) Bromomethane	1.605	94	17780	19.503	ug/l	88
6) Chloroethane	1.691	64	16775	17.567	ug/l	99
7) Trichlorofluoromethane	1.892	101	39690	17.105	ug/l	98
8) Diethyl Ether	2.130	74	14898	18.552	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.331	101	24284	17.150	ug/l	98
10) Methyl Iodide	2.453	142	24542	16.769	ug/l	93
11) Tert butyl alcohol	2.947	59	37325	74.184	ug/l #	91
12) 1,1-Dichloroethene	2.319	96	23727	16.870	ug/l	95
13) Acrolein	2.233	56	32774	81.652	ug/l	97
14) Allyl chloride	2.666	41	48195	16.915	ug/l	96
15) Acrylonitrile	3.062	53	90422	89.785	ug/l	99
16) Acetone	2.374	43	93111	62.303	ug/l	93
17) Carbon Disulfide	2.514	76	59605	14.482	ug/l	98
18) Methyl Acetate	2.703	43	82566	19.052	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	89584	17.612	ug/l	99
20) Methylene Chloride	2.788	84	29118	17.433	ug/l	98
21) trans-1,2-Dichloroethene	3.087	96	25532	16.683	ug/l	96
22) Diisopropyl ether	3.757	45	96833	18.670	ug/l	98
23) Vinyl Acetate	3.721	43	341378	88.413	ug/l	100
24) 1,1-Dichloroethane	3.611	63	51610	17.603	ug/l	98
25) 2-Butanone	4.550	43	134172	77.602	ug/l	100
26) 2,2-Dichloropropane	4.477	77	40935	15.993	ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	30306	17.941	ug/l	99
28) Bromochloromethane	4.891	49	31813	22.239	ug/l	90
29) Tetrahydrofuran	4.995	42	85968	90.036	ug/l	98
30) Chloroform	5.093	83	50241	17.148	ug/l	98
31) Cyclohexane	5.471	56	43812	16.930	ug/l	92
32) 1,1,1-Trichloroethane	5.385	97	41906	16.476	ug/l	98
36) 1,1-Dichloropropene	5.696	75	37759	17.105	ug/l	99
37) Ethyl Acetate	4.715	43	48575	17.811	ug/l	99
38) Carbon Tetrachloride	5.678	117	33110	15.717	ug/l	93
39) Methylcyclohexane	7.379	83	44738	16.872	ug/l	99
40) Benzene	6.038	78	109530	17.541	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	26602	18.282	ug/l	98
42) 1,2-Dichloroethane	6.086	62	42301	16.735	ug/l	99
43) Isopropyl Acetate	6.336	43	77119	17.390	ug/l	99
44) Trichloroethene	7.123	130	25927	16.454	ug/l	95
45) 1,2-Dichloropropane	7.428	63	30326	18.096	ug/l	99
46) Dibromomethane	7.580	93	20164	17.116	ug/l	98
47) Bromodichloromethane	7.818	83	38053	16.894	ug/l	98
48) Methyl methacrylate	7.690	41	45506	17.552	ug/l	97
49) 1,4-Dioxane	7.659	88	11477	328.404	ug/l #	99
51) 4-Methyl-2-Pentanone	8.568	43	257197	91.023	ug/l	99
52) Toluene	8.714	92	66413	17.622	ug/l	95
53) t-1,3-Dichloropropene	8.976	75	40377	16.282	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	45348	16.995	ug/l	96
55) 1,1,2-Trichloroethane	9.147	97	28581	18.165	ug/l	94
56) Ethyl methacrylate	9.116	69	35149	18.299	ug/l	97
57) 1,3-Dichloropropane	9.305	76	49027	18.024	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	121914	108.094	ug/l	94
59) 2-Hexanone	9.427	43	204633	83.914	ug/l	98
60) Dibromochloromethane	9.519	129	26647	16.746	ug/l	100
61) 1,2-Dibromoethane	9.610	107	29876	17.787	ug/l	99
64) Tetrachloroethene	9.269	164	19943	16.317	ug/l	96
65) Chlorobenzene	10.080	112	70291	17.218	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.159	131	24203	16.784	ug/l	97
67) Ethyl Benzene	10.195	91	128943	16.968	ug/l	97
68) m/p-Xylenes	10.299	106	94984	34.861	ug/l	94
69) o-Xylene	10.640	106	45418	17.240	ug/l	93
70) Styrene	10.653	104	68431	17.768	ug/l	97
71) Bromoform	10.799	173	17080	15.935	ug/l #	100
73) Isopropylbenzene	10.957	105	124120	17.563	ug/l	100
74) N-amyl acetate	10.842	43	61254	17.131	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	48625	18.496	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	40248m	16.984	ug/l	
77) Bromobenzene	11.195	156	27738	17.749	ug/l	93
78) n-propylbenzene	11.305	91	151939	17.450	ug/l	97
79) 2-Chlorotoluene	11.360	91	89790	17.048	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	106660	17.717	ug/l	95
81) trans-1,4-Dichloro-2-b...	11.018	75	11898	14.164	ug/l	100
82) 4-Chlorotoluene	11.451	91	104718	16.928	ug/l	99
83) tert-Butylbenzene	11.713	119	101126	17.650	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	107261	17.373	ug/l	99
85) sec-Butylbenzene	11.890	105	128679	17.649	ug/l	97
86) p-Isopropyltoluene	12.006	119	107284	17.534	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	53474	17.417	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	52925	16.556	ug/l	98
89) n-Butylbenzene	12.329	91	105462	17.533	ug/l	96
90) Hexachloroethane	12.536	117	17432	15.772	ug/l	94
91) 1,2-Dichlorobenzene	12.335	146	52093	17.733	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.945	75	10844	15.660	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	32917	17.113	ug/l	98
94) Hexachlorobutadiene	13.725	225	13543	18.683	ug/l	96
95) Naphthalene	13.774	128	120282	17.956	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	32557	17.533	ug/l	99

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

