

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022224\
 Data File : VX040399.D
 Acq On : 22 Feb 2024 14:17
 Operator : JC/MD
 Sample : VX0222WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0222WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/23/2024
 Supervised By : Mahesh Dadoda 02/23/2024

Quant Time: Feb 23 00:06:47 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020924W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 12 00:21:14 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	71661	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	119317	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	111325	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	57923	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	62334	58.469	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 116.940%			
35) Dibromofluoromethane	5.385	113	45979	55.181	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 110.360%			
50) Toluene-d8	8.647	98	158252	50.772	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.540%			
62) 4-Bromofluorobenzene	11.079	95	63426	49.894	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.780%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	16292	20.127	ug/l	97
3) Chloromethane	1.294	50	15159	18.160	ug/l	98
4) Vinyl Chloride	1.374	62	15897	18.021	ug/l	92
5) Bromomethane	1.605	94	11804	23.713	ug/l	90
6) Chloroethane	1.685	64	10614	19.079	ug/l	98
7) Trichlorofluoromethane	1.886	101	27387	19.333	ug/l	99
8) Diethyl Ether	2.130	74	10964	20.603	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.325	101	16120	21.214	ug/l	98
10) Methyl Iodide	2.453	142	16929	20.067	ug/l	97
11) Tert butyl alcohol	2.953	59	24821	119.527	ug/l #	92
12) 1,1-Dichloroethene	2.319	96	14361	19.629	ug/l	88
13) Acrolein	2.233	56	19482	101.642	ug/l	99
14) Allyl chloride	2.666	41	27265	21.474	ug/l	100
15) Acrylonitrile	3.062	53	55368	119.164	ug/l	99
16) Acetone	2.374	43	57612	131.577	ug/l	95
17) Carbon Disulfide	2.508	76	28019	14.506	ug/l	98
18) Methyl Acetate	2.703	43	25763	21.949	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	59073	22.918	ug/l	98
20) Methylene Chloride	2.788	84	17754	20.694	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	15042	18.052	ug/l	96
22) Diisopropyl ether	3.757	45	59486	23.102	ug/l	98
23) Vinyl Acetate	3.721	43	273887	119.316	ug/l	99
24) 1,1-Dichloroethane	3.611	63	32142	21.429	ug/l	98
25) 2-Butanone	4.550	43	81484	119.054	ug/l	99
26) 2,2-Dichloropropane	4.477	77	23844	20.651	ug/l	96
27) cis-1,2-Dichloroethene	4.489	96	18952	19.938	ug/l	97
28) Bromochloromethane	4.897	49	15688	24.635	ug/l	99
29) Tetrahydrofuran	5.001	42	50393	113.013	ug/l	98
30) Chloroform	5.093	83	34818	21.470	ug/l	99
31) Cyclohexane	5.471	56	23063	18.137	ug/l	99
32) 1,1,1-Trichloroethane	5.379	97	28774	21.091	ug/l	97
36) 1,1-Dichloropropene	5.690	75	22975	19.683	ug/l	98
37) Ethyl Acetate	4.708	43	29585	22.779	ug/l	98
38) Carbon Tetrachloride	5.678	117	22773	20.520	ug/l	97
39) Methylcyclohexane	7.379	83	24439	18.016	ug/l	94
40) Benzene	6.038	78	66995	20.525	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	16353	23.751	ug/l #	93
42) 1,2-Dichloroethane	6.080	62	29342	22.998	ug/l	99
43) Isopropyl Acetate	6.336	43	48102	23.725	ug/l	98
44) Trichloroethene	7.123	130	17741	19.704	ug/l	99
45) 1,2-Dichloropropane	7.428	63	18644	21.945	ug/l	94
46) Dibromomethane	7.580	93	13979	22.341	ug/l	99
47) Bromodichloromethane	7.818	83	26022	21.583	ug/l	98
48) Methyl methacrylate	7.690	41	23635	22.783	ug/l	95
49) 1,4-Dioxane	7.653	88	9250	409.861	ug/l #	95
51) 4-Methyl-2-Pentanone	8.568	43	162410	117.328	ug/l	99
52) Toluene	8.714	92	41738	19.522	ug/l	94
53) t-1,3-Dichloropropene	8.976	75	26974	19.856	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	28615	21.178	ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	19130	20.978	ug/l	94
56) Ethyl methacrylate	9.116	69	30247	22.156	ug/l	96
57) 1,3-Dichloropropane	9.305	76	32441	21.795	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.238	63	58782	91.022	ug/l	96
59) 2-Hexanone	9.427	43	127967	116.600	ug/l	98
60) Dibromochloromethane	9.519	129	19016	20.468	ug/l	100
61) 1,2-Dibromoethane	9.610	107	20114	20.751	ug/l	99
64) Tetrachloroethene	9.275	164	14916	19.120	ug/l	96
65) Chlorobenzene	10.079	112	46170	19.872	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.165	131	16550	20.567	ug/l	94
67) Ethyl Benzene	10.195	91	85960	20.774	ug/l	97
68) m/p-Xylenes	10.299	106	63015	40.322	ug/l	96
69) o-Xylene	10.640	106	30590	20.142	ug/l	92
70) Styrene	10.653	104	51875	20.545	ug/l	99
71) Bromoform	10.799	173	13202	18.735	ug/l #	98
73) Isopropylbenzene	10.963	105	84232	20.647	ug/l	98
74) N-amyl acetate	10.842	43	40141	22.954	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	31965	21.808	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	26660m	22.729	ug/l	
77) Bromobenzene	11.195	156	19778	20.526	ug/l	98
78) n-propylbenzene	11.305	91	102085	20.668	ug/l	99
79) 2-Chlorotoluene	11.366	91	61037	20.465	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	71224	20.737	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	7588	20.426	ug/l	97
82) 4-Chlorotoluene	11.457	91	72497	20.515	ug/l	99
83) tert-Butylbenzene	11.713	119	67704	20.106	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	72402	20.836	ug/l	97
85) sec-Butylbenzene	11.890	105	91199	21.074	ug/l	98
86) p-Isopropyltoluene	12.006	119	72919	20.556	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	39565	20.723	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	39232	19.406	ug/l	97
89) n-Butylbenzene	12.329	91	70570	20.609	ug/l	96
90) Hexachloroethane	12.536	117	10955	19.579	ug/l	91
91) 1,2-Dichlorobenzene	12.335	146	38380	20.766	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	7089	20.955	ug/l	93
93) 1,2,4-Trichlorobenzene	13.585	180	25687	20.301	ug/l	97
94) Hexachlorobutadiene	13.725	225	9838	19.481	ug/l	99
95) Naphthalene	13.774	128	83551	20.907	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	25039	20.760	ug/l	98

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

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