

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022024\
 Data File : VX040348.D
 Acq On : 20 Feb 2024 11:59
 Operator : JC/MD
 Sample : VX0220WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0220WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/21/2024
 Supervised By : Mahesh Dadoda 02/21/2024

Quant Time: Feb 21 01:10:54 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	5.550	168	73256	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	124437	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	116703	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	59957	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	57963	53.185	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 106.380%			
35) Dibromofluoromethane	5.385	113	42813	49.267	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.540%			
50) Toluene-d8	8.647	98	155789	47.925	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 95.860%			
62) 4-Bromofluorobenzene	11.079	95	61015	46.023	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 92.040%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	17005	20.550	ug/l	99
3) Chloromethane	1.294	50	15876	18.605	ug/l	95
4) Vinyl Chloride	1.374	62	15973	17.713	ug/l	97
5) Bromomethane	1.605	94	11686	22.965	ug/l	89
6) Chloroethane	1.685	64	10196	17.928	ug/l	92
7) Trichlorofluoromethane	1.886	101	27725	19.145	ug/l	100
8) Diethyl Ether	2.130	74	10145	18.649	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.331	101	16303	20.988	ug/l	98
10) Methyl Iodide	2.453	142	18122	21.013	ug/l	91
11) Tert butyl alcohol	2.947	59	21524	101.393	ug/l #	93
12) 1,1-Dichloroethene	2.319	96	14656	19.596	ug/l	90
13) Acrolein	2.233	56	21596	110.218	ug/l	98
14) Allyl chloride	2.660	41	27386	21.100	ug/l	98
15) Acrylonitrile	3.056	53	51300	108.005	ug/l	99
16) Acetone	2.374	43	51816	115.763	ug/l	96
17) Carbon Disulfide	2.514	76	32620	16.520	ug/l	97
18) Methyl Acetate	2.697	43	23679	19.734	ug/l	99
19) Methyl tert-butyl Ether	3.105	73	57221	21.717	ug/l	99
20) Methylene Chloride	2.788	84	17658	20.090	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	15830	18.584	ug/l	95
22) Diisopropyl ether	3.751	45	59408	22.569	ug/l	91
23) Vinyl Acetate	3.715	43	268979	114.626	ug/l	100
24) 1,1-Dichloroethane	3.611	63	32260	21.039	ug/l	97
25) 2-Butanone	4.550	43	74105	105.915	ug/l	98
26) 2,2-Dichloropropane	4.477	77	24426	20.694	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	19743	20.317	ug/l	96
28) Bromochloromethane	4.891	49	14176	21.776	ug/l	99
29) Tetrahydrofuran	5.001	42	47322	103.816	ug/l	99
30) Chloroform	5.086	83	34968	21.093	ug/l	97
31) Cyclohexane	5.464	56	24709	19.008	ug/l	99
32) 1,1,1-Trichloroethane	5.379	97	27577	19.774	ug/l	97
36) 1,1-Dichloropropene	5.690	75	23954	19.678	ug/l	99
37) Ethyl Acetate	4.702	43	28475	21.022	ug/l	99
38) Carbon Tetrachloride	5.678	117	22434	19.383	ug/l	97
39) Methylcyclohexane	7.373	83	26035	18.403	ug/l	94
40) Benzene	6.031	78	66109	19.420	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	16439	22.894	ug/l	96
42) 1,2-Dichloroethane	6.080	62	27827	20.913	ug/l	100
43) Isopropyl Acetate	6.336	43	45166	21.361	ug/l	98
44) Trichloroethene	7.123	130	16826	17.919	ug/l	93
45) 1,2-Dichloropropane	7.428	63	18811	21.230	ug/l	98
46) Dibromomethane	7.580	93	13474	20.648	ug/l	97
47) Bromodichloromethane	7.818	83	25810	20.527	ug/l	98
48) Methyl methacrylate	7.690	41	22750	21.027	ug/l	97
49) 1,4-Dioxane	7.659	88	9091	386.242	ug/l #	91
51) 4-Methyl-2-Pentanone	8.568	43	151399	104.874	ug/l	99
52) Toluene	8.714	92	42699	19.149	ug/l	96
53) t-1,3-Dichloropropene	8.976	75	25546	18.203	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	28384	20.142	ug/l	95
55) 1,1,2-Trichloroethane	9.147	97	18867	19.838	ug/l	97
56) Ethyl methacrylate	9.116	69	28056	19.706	ug/l	97
57) 1,3-Dichloropropane	9.305	76	32063	20.655	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.238	63	67419	100.100	ug/l	93
59) 2-Hexanone	9.427	43	117784	102.906	ug/l	97
60) Dibromochloromethane	9.519	129	18438	19.029	ug/l	99
61) 1,2-Dibromoethane	9.610	107	19339	19.131	ug/l	99
64) Tetrachloroethene	9.275	164	15627	19.108	ug/l	94
65) Chlorobenzene	10.079	112	46887	19.250	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	16553	19.623	ug/l	99
67) Ethyl Benzene	10.195	91	86088	19.846	ug/l	100
68) m/p-Xylenes	10.299	106	63616	38.830	ug/l	97
69) o-Xylene	10.640	106	31448	19.753	ug/l	96
70) Styrene	10.653	104	51809	19.573	ug/l	98
71) Bromoform	10.799	173	12884	17.582	ug/l #	97
73) Isopropylbenzene	10.963	105	85258	20.189	ug/l	100
74) N-amyl acetate	10.842	43	37906	20.941	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	31491	20.756	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	25893m	21.326	ug/l	
77) Bromobenzene	11.195	156	19855	19.907	ug/l	97
78) n-propylbenzene	11.305	91	103018	20.150	ug/l	98
79) 2-Chlorotoluene	11.360	91	61332	19.866	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	71609	20.142	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.018	75	7004	18.599	ug/l	95
82) 4-Chlorotoluene	11.451	91	72151	19.724	ug/l	99
83) tert-Butylbenzene	11.713	119	67871	19.472	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	71770	19.954	ug/l	99
85) sec-Butylbenzene	11.890	105	89236	19.921	ug/l	99
86) p-Isopropyltoluene	12.006	119	72492	19.742	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	38335	19.398	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	39470	18.861	ug/l	99
89) n-Butylbenzene	12.329	91	69310	19.554	ug/l	98
90) Hexachloroethane	12.536	117	10664	18.412	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	38181	19.957	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	6522	18.625	ug/l	93
93) 1,2,4-Trichlorobenzene	13.585	180	25419	19.407	ug/l	96
94) Hexachlorobutadiene	13.725	225	9659	18.478	ug/l	97
95) Naphthalene	13.774	128	81571	19.719	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	24426	19.565	ug/l	96

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

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