

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021424\
 Data File : VX040216.D
 Acq On : 14 Feb 2024 13:36
 Operator : JC/MD
 Sample : VX0214WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0214WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/15/2024
 Supervised By : Mahesh Dadoda 02/15/2024

Quant Time: Feb 15 00:01:10 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	79881	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	132486	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	127486	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	66387	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	55248	46.490	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	92.980%		
35) Dibromofluoromethane	5.385	113	46296	50.038	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	100.080%		
50) Toluene-d8	8.647	98	168865	48.792	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.580%		
62) 4-Bromofluorobenzene	11.079	95	68191	48.311	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.620%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	18731	20.759	ug/l	97
3) Chloromethane	1.294	50	18056	19.405	ug/l	100
4) Vinyl Chloride	1.374	62	19440	19.770	ug/l	99
5) Bromomethane	1.605	94	13954	25.148	ug/l	99
6) Chloroethane	1.684	64	11905	19.197	ug/l	100
7) Trichlorofluoromethane	1.892	101	31001	19.632	ug/l	96
8) Diethyl Ether	2.136	74	11507	19.398	ug/l	90
9) 1,1,2-Trichlorotrifluo...	2.331	101	17458	20.611	ug/l	96
10) Methyl Iodide	2.453	142	19613	20.856	ug/l	90
11) Tert butyl alcohol	2.959	59	22541	97.377	ug/l #	88
12) 1,1-Dichloroethene	2.319	96	16254	19.930	ug/l	82
13) Acrolein	2.233	56	22332	104.522	ug/l	98
14) Allyl chloride	2.666	41	27256	19.258	ug/l	94
15) Acrylonitrile	3.062	53	49951	96.443	ug/l	98
16) Acetone	2.379	43	47634	97.594	ug/l	90
17) Carbon Disulfide	2.514	76	40096	18.622	ug/l	97
18) Methyl Acetate	2.703	43	21630	16.531	ug/l #	90
19) Methyl tert-butyl Ether	3.111	73	56744	19.749	ug/l	99
20) Methylene Chloride	2.788	84	18220	18.921	ug/l	91
21) trans-1,2-Dichloroethene	3.093	96	17158	18.473	ug/l	94
22) Diisopropyl ether	3.757	45	55353	19.284	ug/l	94
23) Vinyl Acetate	3.721	43	252325	98.611	ug/l	99
24) 1,1-Dichloroethane	3.611	63	31479	18.827	ug/l	97
25) 2-Butanone	4.550	43	72001	94.373	ug/l	98
26) 2,2-Dichloropropane	4.483	77	25167	19.554	ug/l	95
27) cis-1,2-Dichloroethene	4.489	96	20727	19.561	ug/l	92
28) Bromochloromethane	4.903	49	13373	18.839	ug/l	86
29) Tetrahydrofuran	5.001	42	46352	93.254	ug/l	95
30) Chloroform	5.099	83	35472	19.623	ug/l	99
31) Cyclohexane	5.464	56	25767	18.178	ug/l	97
32) 1,1,1-Trichloroethane	5.385	97	29335	19.290	ug/l	98
36) 1,1-Dichloropropene	5.696	75	25465	19.648	ug/l	98
37) Ethyl Acetate	4.714	43	26554	18.413	ug/l	98
38) Carbon Tetrachloride	5.678	117	24820	20.141	ug/l	93
39) Methylcyclohexane	7.379	83	29104	19.323	ug/l	96
40) Benzene	6.037	78	71352	19.687	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	14642	19.152	ug/l	90
42) 1,2-Dichloroethane	6.080	62	27029	19.079	ug/l	98
43) Isopropyl Acetate	6.342	43	43706	19.414	ug/l	98
44) Trichloroethene	7.123	130	19730	19.735	ug/l	97
45) 1,2-Dichloropropane	7.427	63	18860	19.992	ug/l	98
46) Dibromomethane	7.580	93	13651	19.648	ug/l	93
47) Bromodichloromethane	7.824	83	26744	19.977	ug/l	100
48) Methyl methacrylate	7.689	41	21649	18.794	ug/l	91
49) 1,4-Dioxane	7.659	88	9671	385.921	ug/l #	87
51) 4-Methyl-2-Pentanone	8.573	43	148656	96.718	ug/l	99
52) Toluene	8.720	92	46049	19.397	ug/l	94
53) t-1,3-Dichloropropene	8.976	75	28445	18.951	ug/l	94
54) cis-1,3-Dichloropropene	8.366	75	30162	20.104	ug/l	93
55) 1,1,2-Trichloroethane	9.153	97	20759	20.502	ug/l	99
56) Ethyl methacrylate	9.116	69	29772	19.641	ug/l	95
57) 1,3-Dichloropropane	9.305	76	32939	19.930	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	66193	92.309	ug/l	97
59) 2-Hexanone	9.427	43	116431	95.543	ug/l	97
60) Dibromochloromethane	9.518	129	20606	19.975	ug/l	98
61) 1,2-Dibromoethane	9.610	107	21156	19.657	ug/l	100
64) Tetrachloroethene	9.275	164	17333	19.402	ug/l	98
65) Chlorobenzene	10.079	112	52585	19.764	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.159	131	18269	19.825	ug/l	97
67) Ethyl Benzene	10.195	91	94428	19.927	ug/l	100
68) m/p-Xylenes	10.299	106	70549	39.420	ug/l	100
69) o-Xylene	10.640	106	33997	19.548	ug/l	98
70) Styrene	10.652	104	57572	19.911	ug/l	97
71) Bromoform	10.799	173	15438	19.088	ug/l #	100
73) Isopropylbenzene	10.963	105	92407	19.763	ug/l	100
74) N-amyl acetate	10.841	43	39109	19.513	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	32316	19.237	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	27257m	20.275	ug/l	
77) Bromobenzene	11.195	156	22233	20.132	ug/l	92
78) n-propylbenzene	11.305	91	110390	19.500	ug/l	100
79) 2-Chlorotoluene	11.366	91	65187	19.070	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	78369	19.908	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	8171	19.406	ug/l	96
82) 4-Chlorotoluene	11.451	91	77007	19.013	ug/l	98
83) tert-Butylbenzene	11.713	119	75795	19.639	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	77249	19.397	ug/l	97
85) sec-Butylbenzene	11.890	105	98298	19.819	ug/l	100
86) p-Isopropyltoluene	12.006	119	79798	19.627	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	43200	19.742	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	44017	18.997	ug/l	99
89) n-Butylbenzene	12.335	91	75674	19.282	ug/l	98
90) Hexachloroethane	12.536	117	12574	19.607	ug/l	84
91) 1,2-Dichlorobenzene	12.335	146	42464	20.046	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	7474	19.277	ug/l	88
93) 1,2,4-Trichlorobenzene	13.591	180	27250	18.790	ug/l	98
94) Hexachlorobutadiene	13.725	225	11070	19.126	ug/l	94
95) Naphthalene	13.774	128	89353	19.508	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	27237	19.703	ug/l	98

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

