

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX013124\
 Data File : VX040034.D
 Acq On : 31 Jan 2024 09:40
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/01/2024
 Supervised By : Mahesh Dadoda 02/01/2024

Quant Time: Feb 01 04:18:21 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X013024W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 31 07:12:04 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	104235	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	178667	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	165427	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	83938	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	81701	48.703	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 97.400%			
35) Dibromofluoromethane	5.379	113	62287	51.212	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.420%			
50) Toluene-d8	8.647	98	232562	51.130	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 102.260%			
62) 4-Bromofluorobenzene	11.079	95	88871	50.743	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.480%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	63558	54.136	ug/l	97
3) Chloromethane	1.294	50	57288	51.452	ug/l	97
4) Vinyl Chloride	1.374	62	58137	56.458	ug/l	99
5) Bromomethane	1.593	94	43880	43.835	ug/l	96
6) Chloroethane	1.679	64	35576	52.332	ug/l	98
7) Trichlorofluoromethane	1.886	101	89582	54.678	ug/l	100
8) Diethyl Ether	2.130	74	32146	55.498	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.325	101	58294	47.687	ug/l	99
10) Methyl Iodide	2.447	142	65440	50.289	ug/l	95
11) Tert butyl alcohol	2.953	59	73220	240.550	ug/l #	90
12) 1,1-Dichloroethene	2.319	96	55175	47.062	ug/l	86
13) Acrolein	2.233	56	82662	283.448	ug/l	99
14) Allyl chloride	2.660	41	102992	48.736	ug/l	97
15) Acrylonitrile	3.056	53	183378	240.502	ug/l	98
16) Acetone	2.374	43	172476	219.434	ug/l	92
17) Carbon Disulfide	2.508	76	152127	44.381	ug/l	97
18) Methyl Acetate	2.697	43	100372	53.904	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	194452	48.419	ug/l	100
20) Methylene Chloride	2.782	84	64505	46.180	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	61813	47.875	ug/l	92
22) Diisopropyl ether	3.757	45	206508	50.448	ug/l	90
23) Vinyl Acetate	3.715	43	929268	253.660	ug/l	100
24) 1,1-Dichloroethane	3.605	63	114626	48.893	ug/l	99
25) 2-Butanone	4.550	43	264813	242.364	ug/l	98
26) 2,2-Dichloropropane	4.471	77	90355	49.393	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	70684	49.064	ug/l	96
28) Bromochloromethane	4.891	49	49370	45.160	ug/l	97
29) Tetrahydrofuran	4.995	42	172711	248.603	ug/l	99
30) Chloroform	5.086	83	117206	46.558	ug/l	98
31) Cyclohexane	5.464	56	101014	48.072	ug/l	99
32) 1,1,1-Trichloroethane	5.379	97	102179	47.295	ug/l	99
36) 1,1-Dichloropropene	5.690	75	87614	49.809	ug/l	99
37) Ethyl Acetate	4.708	43	99835	51.970	ug/l	99
38) Carbon Tetrachloride	5.672	117	84719	50.336	ug/l	95
39) Methylcyclohexane	7.379	83	106346	49.691	ug/l	97
40) Benzene	6.031	78	252992	49.382	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	54145	55.578	ug/l	94
42) 1,2-Dichloroethane	6.080	62	98007	49.695	ug/l	99
43) Isopropyl Acetate	6.336	43	161660	53.364	ug/l	99
44) Trichloroethene	7.123	130	65243	48.393	ug/l	100
45) 1,2-Dichloropropane	7.428	63	67712	50.058	ug/l	99
46) Dibromomethane	7.580	93	48268	47.540	ug/l	98
47) Bromodichloromethane	7.818	83	92603	51.210	ug/l	98
48) Methyl methacrylate	7.690	41	80448	53.908	ug/l	93
49) 1,4-Dioxane	7.653	88	32750	1009.915	ug/l #	92
51) 4-Methyl-2-Pentanone	8.568	43	502553	243.019	ug/l	99
52) Toluene	8.714	92	158407	49.607	ug/l	95
53) t-1,3-Dichloropropene	8.976	75	97211	51.832	ug/l	99
54) cis-1,3-Dichloropropene	8.360	75	98388	49.163	ug/l	95
55) 1,1,2-Trichloroethane	9.147	97	65245	49.363	ug/l	94
56) Ethyl methacrylate	9.110	69	103459	53.602	ug/l	97
57) 1,3-Dichloropropane	9.305	76	108655	49.907	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	241623	248.944	ug/l	99
59) 2-Hexanone	9.427	43	429345	260.395	ug/l	98
60) Dibromochloromethane	9.519	129	68006	51.205	ug/l	99
61) 1,2-Dibromoethane	9.604	107	69638	48.733	ug/l	99
64) Tetrachloroethene	9.269	164	53457	49.663	ug/l	96
65) Chlorobenzene	10.079	112	169210	49.486	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	59942	51.909	ug/l	99
67) Ethyl Benzene	10.189	91	313253	51.060	ug/l	97
68) m/p-Xylenes	10.299	106	234210	101.476	ug/l	97
69) o-Xylene	10.640	106	113520	51.852	ug/l	98
70) Styrene	10.653	104	191762	51.969	ug/l	99
71) Bromoform	10.799	173	47788	50.909	ug/l #	99
73) Isopropylbenzene	10.957	105	299827	49.744	ug/l	99
74) N-amyl acetate	10.842	43	144967	50.476	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	107674	47.515	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	87995m	49.229	ug/l	
77) Bromobenzene	11.195	156	69726	50.149	ug/l	98
78) n-propylbenzene	11.305	91	375507	50.627	ug/l	99
79) 2-Chlorotoluene	11.360	91	214814	48.108	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	263594	50.874	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	29803	52.262	ug/l	92
82) 4-Chlorotoluene	11.451	91	258857	50.509	ug/l	100
83) tert-Butylbenzene	11.713	119	248077	50.035	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	263907	51.044	ug/l	100
85) sec-Butylbenzene	11.890	105	328218	49.967	ug/l	100
86) p-Isopropyltoluene	12.006	119	271009	50.525	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	137658	49.078	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	140729	49.014	ug/l	100
89) n-Butylbenzene	12.329	91	255175	49.013	ug/l	97
90) Hexachloroethane	12.536	117	43449	49.610	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	130735	48.342	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	23785	46.303	ug/l	91
93) 1,2,4-Trichlorobenzene	13.585	180	85038	50.302	ug/l	98
94) Hexachlorobutadiene	13.725	225	33796	50.750	ug/l	99
95) Naphthalene	13.774	128	286018	49.813	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	83292	49.831	ug/l	99

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

