

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052924\
 Data File : VX041680.D
 Acq On : 29 May 2024 17:41
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/30/2024
 Supervised By : Semsettin Yesilyurt 05/30/2024

Quant Time: May 30 07:46:24 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X052924W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 30 07:36:24 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	192302	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	271135	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	251758	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	141463	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	104682	44.385	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	88.760%		
35) Dibromofluoromethane	5.385	113	86251	46.010	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.020%		
50) Toluene-d8	8.647	98	306151	46.740	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	93.480%		
62) 4-Bromofluorobenzene	11.079	95	116851	48.335	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.680%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	85633	50.679	ug/l	98
3) Chloromethane	1.301	50	86743	47.050	ug/l	99
4) Vinyl Chloride	1.374	62	89992	47.417	ug/l	99
5) Bromomethane	1.593	94	61212	46.311	ug/l	99
6) Chloroethane	1.666	64	61806	53.879	ug/l	100
7) Trichlorofluoromethane	1.874	101	150678	48.618	ug/l	96
8) Diethyl Ether	2.136	74	55712	46.642	ug/l	89
9) 1,1,2-Trichlorotrifluo...	2.319	101	85178	48.503	ug/l	89
10) Methyl Iodide	2.441	142	106598	48.678	ug/l	92
11) Tert butyl alcohol	2.989	59	113379	271.747	ug/l	# 91
12) 1,1-Dichloroethene	2.306	96	81323	47.441	ug/l	88
13) Acrolein	2.239	56	98412	253.331	ug/l	98
14) Allyl chloride	2.660	41	137956	48.919	ug/l	98
15) Acrylonitrile	3.068	53	256968	251.140	ug/l	99
16) Acetone	2.386	43	246941	242.228	ug/l	97
17) Carbon Disulfide	2.502	76	182333	48.082	ug/l	98
18) Methyl Acetate	2.709	43	109957	48.826	ug/l	96
19) Methyl tert-butyl Ether	3.117	73	278687	48.592	ug/l	100
20) Methylene Chloride	2.782	84	90356	42.810	ug/l	94
21) trans-1,2-Dichloroethene	3.087	96	83400	46.893	ug/l	89
22) Diisopropyl ether	3.764	45	278740	48.365	ug/l	91
23) Vinyl Acetate	3.721	43	1320781	255.094	ug/l	96
24) 1,1-Dichloroethane	3.605	63	154316	47.352	ug/l	98
25) 2-Butanone	4.562	43	374706	255.625	ug/l	98
26) 2,2-Dichloropropane	4.471	77	125802	47.050	ug/l	97
27) cis-1,2-Dichloroethene	4.483	96	102797	48.352	ug/l	90
28) Bromochloromethane	4.897	49	61818	44.042	ug/l	# 80
29) Tetrahydrofuran	5.007	42	238067	257.526	ug/l	96
30) Chloroform	5.093	83	163273	47.719	ug/l	96
31) Cyclohexane	5.458	56	130837	46.987	ug/l	95
32) 1,1,1-Trichloroethane	5.379	97	146314	48.797	ug/l	98
36) 1,1-Dichloropropene	5.690	75	110067	48.490	ug/l	96
37) Ethyl Acetate	4.721	43	143181	49.983	ug/l	100
38) Carbon Tetrachloride	5.672	117	127828	49.567	ug/l	99
39) Methylcyclohexane	7.379	83	143307	51.389	ug/l	92
40) Benzene	6.037	78	345950	48.760	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	77700	55.461	ug/l	97
42) 1,2-Dichloroethane	6.086	62	128385	48.473	ug/l	97
43) Isopropyl Acetate	6.342	43	219706	50.799	ug/l	98
44) Trichloroethene	7.123	130	94606	49.028	ug/l	88
45) 1,2-Dichloropropane	7.427	63	83798	49.675	ug/l	97
46) Dibromomethane	7.580	93	64643	49.962	ug/l #	79
47) Bromodichloromethane	7.818	83	123329	51.479	ug/l	99
48) Methyl methacrylate	7.696	41	111401	53.636	ug/l	96
49) 1,4-Dioxane	7.665	88	49737	1095.986	ug/l #	87
51) 4-Methyl-2-Pentanone	8.574	43	746507	266.176	ug/l	99
52) Toluene	8.720	92	226938	50.401	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	124777	52.912	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	135251	51.845	ug/l	94
55) 1,1,2-Trichloroethane	9.153	97	90374	49.791	ug/l	97
56) Ethyl methacrylate	9.116	69	149870	54.097	ug/l	98
57) 1,3-Dichloropropane	9.305	76	149316	49.551	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	331378	254.069	ug/l	94
59) 2-Hexanone	9.433	43	582929	272.626	ug/l	97
60) Dibromochloromethane	9.519	129	106538	52.912	ug/l	99
61) 1,2-Dibromoethane	9.610	107	97044	50.658	ug/l	99
64) Tetrachloroethene	9.275	164	91935	48.723	ug/l	90
65) Chlorobenzene	10.079	112	263372	48.745	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	93510	49.876	ug/l	98
67) Ethyl Benzene	10.195	91	432414	50.219	ug/l	97
68) m/p-Xylenes	10.299	106	348699	101.795	ug/l	93
69) o-Xylene	10.640	106	170873	50.143	ug/l	94
70) Styrene	10.653	104	292746	52.011	ug/l	96
71) Bromoform	10.799	173	85991	52.666	ug/l #	99
73) Isopropylbenzene	10.963	105	443059	50.491	ug/l	97
74) N-amyl acetate	10.842	43	203655	52.392	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	147882	47.487	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	120478m	48.811	ug/l	
77) Bromobenzene	11.195	156	126160	48.707	ug/l	80
78) n-propylbenzene	11.305	91	492701	51.134	ug/l	97
79) 2-Chlorotoluene	11.366	91	298870	48.258	ug/l	92
80) 1,3,5-Trimethylbenzene	11.451	105	375370	51.234	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.018	75	46214	51.031	ug/l	97
82) 4-Chlorotoluene	11.451	91	351300	49.860	ug/l	94
83) tert-Butylbenzene	11.713	119	394623	50.003	ug/l	92
84) 1,2,4-Trimethylbenzene	11.750	105	376991	50.786	ug/l	93
85) sec-Butylbenzene	11.890	105	470236	51.972	ug/l	96
86) p-Isopropyltoluene	12.006	119	416467	52.483	ug/l	95
87) 1,3-Dichlorobenzene	11.969	146	225960	48.847	ug/l	95
88) 1,4-Dichlorobenzene	12.043	146	226852	47.574	ug/l	95
89) n-Butylbenzene	12.335	91	333097	53.025	ug/l	97
90) Hexachloroethane	12.536	117	68802	50.977	ug/l	64
91) 1,2-Dichlorobenzene	12.335	146	229374	48.680	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	12.939	75	32875	52.256	ug/l	60
93) 1,2,4-Trichlorobenzene	13.585	180	154472	49.743	ug/l	96
94) Hexachlorobutadiene	13.725	225	75369	48.988	ug/l	99
95) Naphthalene	13.774	128	467061	50.968	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	159576	49.930	ug/l	96

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

