

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061824\
 Data File : VX041913.D
 Acq On : 18 Jun 2024 10:16
 Operator : JC/MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/19/2024
 Supervised By : Mahesh Dadoda 06/19/2024

Quant Time: Jun 19 07:49:09 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061824W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 19 07:27:13 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.549	168	195645	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	281090	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	256017	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	136379	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	45143	20.010	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	40.020%#		
35) Dibromofluoromethane	5.385	113	39872	19.991	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	39.980%#		
50) Toluene-d8	8.646	98	142660	20.360	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	40.720%#		
62) 4-Bromofluorobenzene	11.079	95	50635	19.604	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	39.200%#		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	30583	20.519	ug/l	97
3) Chloromethane	1.300	50	38526	20.603	ug/l	99
4) Vinyl Chloride	1.373	62	38701	20.647	ug/l	96
5) Bromomethane	1.599	94	18165	19.626	ug/l	99
6) Chloroethane	1.666	64	18097	21.468	ug/l	97
7) Trichlorofluoromethane	1.855	101	48272	19.657	ug/l	98
8) Diethyl Ether	2.135	74	23869	20.706	ug/l	89
9) 1,1,2-Trichlorotrifluo...	2.306	101	34726	20.528	ug/l #	86
10) Methyl Iodide	2.434	142	44402	21.118	ug/l #	87
11) Tert butyl alcohol	3.019	59	36783	85.910	ug/l	97
12) 1,1-Dichloroethene	2.300	96	35271	20.902	ug/l	86
13) Acrolein	2.245	56	47785	99.563	ug/l	98
14) Allyl chloride	2.654	41	53877	20.132	ug/l	90
15) Acrylonitrile	3.080	53	110188	98.527	ug/l	95
16) Acetone	2.404	43	91747	92.615	ug/l #	86
17) Carbon Disulfide	2.495	76	69071	20.075	ug/l	100
18) Methyl Acetate	2.715	43	52741	19.517	ug/l	95
19) Methyl tert-butyl Ether	3.123	73	114300	20.503	ug/l	98
20) Methylene Chloride	2.782	84	42369	19.533	ug/l	92
21) trans-1,2-Dichloroethene	3.080	96	36171	21.120	ug/l	87
22) Diisopropyl ether	3.775	45	117954	20.852	ug/l #	82
23) Vinyl Acetate	3.727	43	518569	107.342	ug/l	96
24) 1,1-Dichloroethane	3.605	63	66261	20.917	ug/l	98
25) 2-Butanone	4.580	43	156034	101.244	ug/l	95
26) 2,2-Dichloropropane	4.470	77	47140	20.549	ug/l	92
27) cis-1,2-Dichloroethene	4.489	96	44702	20.840	ug/l	87
28) Bromochloromethane	4.903	49	30800	22.700	ug/l #	75
29) Tetrahydrofuran	5.025	42	103168	103.651	ug/l	94
30) Chloroform	5.098	83	68427	20.733	ug/l	97
31) Cyclohexane	5.458	56	55119	20.891	ug/l	96
32) 1,1,1-Trichloroethane	5.385	97	56914	20.638	ug/l	97
36) 1,1-Dichloropropene	5.690	75	43938	20.746	ug/l	94
37) Ethyl Acetate	4.733	43	58797	21.311	ug/l	97
38) Carbon Tetrachloride	5.671	117	47391	20.252	ug/l	96
39) Methylcyclohexane	7.378	83	57935	21.629	ug/l	92
40) Benzene	6.037	78	152422	21.338	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.934	41	31090	20.788	ug/l	92
42) 1,2-Dichloroethane	6.092	62	48618	21.130	ug/l	92
43) Isopropyl Acetate	6.354	43	86110	20.334	ug/l #	94
44) Trichloroethene	7.128	130	40993	21.410	ug/l	84
45) 1,2-Dichloropropane	7.433	63	36910	21.015	ug/l	100
46) Dibromomethane	7.580	93	26872	20.998	ug/l #	77
47) Bromodichloromethane	7.823	83	47264	20.116	ug/l	95
48) Methyl methacrylate	7.702	41	42556	21.056	ug/l	87
49) 1,4-Dioxane	7.677	88	16751	326.924	ug/l #	88
51) 4-Methyl-2-Pentanone	8.579	43	304015	104.217	ug/l	94
52) Toluene	8.720	92	97298	21.391	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	47060	19.785	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	53820	20.923	ug/l #	89
55) 1,1,2-Trichloroethane	9.152	97	39848	21.029	ug/l	97
56) Ethyl methacrylate	9.122	69	60495	20.521	ug/l #	90
57) 1,3-Dichloropropane	9.311	76	63849	20.856	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	150374	109.463	ug/l	94
59) 2-Hexanone	9.439	43	235170	105.256	ug/l	94
60) Dibromochloromethane	9.524	129	41025	19.932	ug/l	100
61) 1,2-Dibromoethane	9.610	107	41652	21.196	ug/l	100
64) Tetrachloroethene	9.274	164	39602	21.245	ug/l	90
65) Chlorobenzene	10.079	112	110631	20.778	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.164	131	37690	20.218	ug/l	98
67) Ethyl Benzene	10.195	91	175569	21.040	ug/l	98
68) m/p-Xylenes	10.305	106	144043	42.763	ug/l	91
69) o-Xylene	10.640	106	71169	21.341	ug/l	91
70) Styrene	10.658	104	119169	21.310	ug/l	94
71) Bromoform	10.799	173	32633	19.179	ug/l #	99
73) Isopropylbenzene	10.963	105	177751	21.435	ug/l	96
74) N-amyl acetate	10.847	43	77352	21.000	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.213	83	63240	20.510	ug/l	99
76) 1,2,3-Trichloropropane	11.244	75	48595m	19.628	ug/l	
77) Bromobenzene	11.201	156	52388	21.212	ug/l	80
78) n-propylbenzene	11.305	91	192571	21.403	ug/l	95
79) 2-Chlorotoluene	11.365	91	123089	21.233	ug/l	93
80) 1,3,5-Trimethylbenzene	11.451	105	149695	21.673	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.018	75	16434	18.851	ug/l	95
82) 4-Chlorotoluene	11.457	91	137513	21.459	ug/l	92
83) tert-Butylbenzene	11.713	119	160269	21.147	ug/l	89
84) 1,2,4-Trimethylbenzene	11.750	105	150948	21.783	ug/l	93
85) sec-Butylbenzene	11.890	105	185113	21.595	ug/l	96
86) p-Isopropyltoluene	12.012	119	159547	21.307	ug/l	94
87) 1,3-Dichlorobenzene	11.969	146	91230	21.016	ug/l	94
88) 1,4-Dichlorobenzene	12.042	146	90863	20.448	ug/l	97
89) n-Butylbenzene	12.335	91	119722	20.770	ug/l	97
90) Hexachloroethane	12.536	117	24839	19.484	ug/l	59
91) 1,2-Dichlorobenzene	12.335	146	94073	21.178	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	12.944	75	12433	20.348	ug/l #	50
93) 1,2,4-Trichlorobenzene	13.585	180	60338	20.736	ug/l	96
94) Hexachlorobutadiene	13.725	225	30041	20.416	ug/l	99
95) Naphthalene	13.774	128	191693	20.060	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	65056	21.198	ug/l	95

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

