

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032724\
 Data File : VX040817.D
 Acq On : 27 Mar 2024 16:55
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/28/2024
 Supervised By : Mahesh Dadoda 03/28/2024

Quant Time: Mar 28 03:57:37 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:44:48 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	45676	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	77264	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	68490	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	35997	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	38992	50.769	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 101.540%			
35) Dibromofluoromethane	5.385	113	27577	47.700	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.400%			
50) Toluene-d8	8.647	98	96201	48.597	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 97.200%			
62) 4-Bromofluorobenzene	11.079	95	35394	45.255	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 90.500%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.167	85	27096	45.841	ug/l	97
3) Chloromethane	1.301	50	26364	43.608	ug/l	97
4) Vinyl Chloride	1.374	62	28020	48.946	ug/l	99
5) Bromomethane	1.599	94	17695	45.853	ug/l	99
6) Chloroethane	1.685	64	17821	44.289	ug/l	98
7) Trichlorofluoromethane	1.886	101	44762	44.688	ug/l	96
8) Diethyl Ether	2.130	74	14409	44.753	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.331	101	25781	44.759	ug/l	98
10) Methyl Iodide	2.453	142	33622	44.087	ug/l	99
11) Tert butyl alcohol	2.953	59	32829	266.932	ug/l #	90
12) 1,1-Dichloroethene	2.319	96	23720	43.966	ug/l	98
13) Acrolein	2.233	56	18471	253.786	ug/l	95
14) Allyl chloride	2.660	41	43865	45.366	ug/l	90
15) Acrylonitrile	3.056	53	74497	245.371	ug/l	97
16) Acetone	2.374	43	72239	265.549	ug/l	99
17) Carbon Disulfide	2.514	76	58618	37.825	ug/l	98
18) Methyl Acetate	2.703	43	33798	46.357	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	87840	47.173	ug/l	97
20) Methylene Chloride	2.788	84	26964	45.345	ug/l	99
21) trans-1,2-Dichloroethene	3.093	96	24551	43.106	ug/l	94
22) Diisopropyl ether	3.757	45	89016	47.179	ug/l	98
23) Vinyl Acetate	3.721	43	430806	241.556	ug/l	99
24) 1,1-Dichloroethane	3.605	63	49621	45.788	ug/l	99
25) 2-Butanone	4.550	43	111528	261.748	ug/l	99
26) 2,2-Dichloropropane	4.471	77	42430	44.874	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	30559	46.319	ug/l	100
28) Bromochloromethane	4.891	49	23383	47.177	ug/l	98
29) Tetrahydrofuran	4.995	42	73720	260.113	ug/l	99
30) Chloroform	5.087	83	55289	47.654	ug/l	99
31) Cyclohexane	5.465	56	39550	43.341	ug/l	98
32) 1,1,1-Trichloroethane	5.379	97	48284	48.417	ug/l	99
36) 1,1-Dichloropropene	5.690	75	36348	42.700	ug/l	99
37) Ethyl Acetate	4.709	43	45446	47.016	ug/l	97
38) Carbon Tetrachloride	5.672	117	40675	42.453	ug/l	97
39) Methylcyclohexane	7.379	83	42344	44.901	ug/l	96
40) Benzene	6.031	78	103456	44.014	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	24296	48.607	ug/l	96
42) 1,2-Dichloroethane	6.080	62	45027	47.339	ug/l	98
43) Isopropyl Acetate	6.336	43	72644	47.859	ug/l	97
44) Trichloroethene	7.123	130	26193	46.491	ug/l	94
45) 1,2-Dichloropropane	7.428	63	26138	47.396	ug/l	97
46) Dibromomethane	7.574	93	21292	48.748	ug/l	99
47) Bromodichloromethane	7.818	83	44207	49.533	ug/l	97
48) Methyl methacrylate	7.690	41	36174	52.142	ug/l	94
49) 1,4-Dioxane	7.653	88	13269	1133.283	ug/l #	97
51) 4-Methyl-2-Pentanone	8.568	43	241828	256.903	ug/l	97
52) Toluene	8.714	92	65266	46.557	ug/l	94
53) t-1,3-Dichloropropene	8.976	75	43548	47.169	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	43988	46.069	ug/l	99
55) 1,1,2-Trichloroethane	9.147	97	26926	47.166	ug/l	93
56) Ethyl methacrylate	9.116	69	47340	49.611	ug/l #	92
57) 1,3-Dichloropropane	9.305	76	45901	47.118	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	114036	227.708	ug/l	96
59) 2-Hexanone	9.427	43	189367	259.692	ug/l	95
60) Dibromochloromethane	9.519	129	32304	48.154	ug/l	100
61) 1,2-Dibromoethane	9.610	107	28279	46.910	ug/l	99
64) Tetrachloroethene	9.269	164	22337	43.784	ug/l	96
65) Chlorobenzene	10.080	112	71174	45.818	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	24875	47.057	ug/l	99
67) Ethyl Benzene	10.189	91	128195	46.080	ug/l	99
68) m/p-Xylenes	10.299	106	93569	91.865	ug/l	93
69) o-Xylene	10.640	106	44671	45.653	ug/l	89
70) Styrene	10.653	104	80367	49.064	ug/l	97
71) Bromoform	10.799	173	20754	48.070	ug/l #	99
73) Isopropylbenzene	10.964	105	120025	43.944	ug/l	99
74) N-amyl acetate	10.842	43	62954	46.813	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.213	83	39661	42.893	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	34915m	45.098	ug/l	
77) Bromobenzene	11.195	156	28164	42.600	ug/l	100
78) n-propylbenzene	11.305	91	145735	43.274	ug/l	97
79) 2-Chlorotoluene	11.366	91	83956	43.204	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	101035	44.125	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	13564	44.322	ug/l	96
82) 4-Chlorotoluene	11.451	91	101285	41.556	ug/l	99
83) tert-Butylbenzene	11.713	119	99475	43.315	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	101510	44.048	ug/l	98
85) sec-Butylbenzene	11.890	105	128178	43.891	ug/l	99
86) p-Isopropyltoluene	12.006	119	108298	44.721	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	55750	44.158	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	56768	42.339	ug/l	100
89) n-Butylbenzene	12.329	91	107378	43.971	ug/l	96
90) Hexachloroethane	12.536	117	19102	45.300	ug/l	93
91) 1,2-Dichlorobenzene	12.335	146	54413	43.868	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	9658	41.832	ug/l	94
93) 1,2,4-Trichlorobenzene	13.585	180	37742	42.813	ug/l	98
94) Hexachlorobutadiene	13.725	225	14652	42.167	ug/l	99
95) Naphthalene	13.774	128	127359	45.665	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	37622	43.438	ug/l	98

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

