

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101922\
 Data File : VX032224.D
 Acq On : 19 Oct 2022 21:37
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/20/2022
 Supervised By : Mahesh Dadoda 10/20/2022

Quant Time: Oct 20 04:33:06 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101922W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 19 16:51:09 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	135288	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	216777	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	199062	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	107540	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	93790	53.291	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 106.580%			
35) Dibromofluoromethane	5.385	113	75217	49.863	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.720%			
50) Toluene-d8	8.647	98	272090	50.108	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.220%			
62) 4-Bromofluorobenzene	11.079	95	108859	54.747	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 109.500%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	66282	53.552	ug/l	98
3) Chloromethane	1.295	50	62356	52.107	ug/l	94
4) Vinyl Chloride	1.374	62	70560	52.932	ug/l	98
5) Bromomethane	1.612	94	67204	48.151	ug/l	100
6) Chloroethane	1.685	64	54902	46.579	ug/l	99
7) Trichlorofluoromethane	1.886	101	136130	57.445	ug/l	100
8) Diethyl Ether	2.130	74	46521	57.768	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.331	101	68822	53.568	ug/l	98
10) Methyl Iodide	2.453	142	95102	51.224	ug/l	98
11) Tert butyl alcohol	2.971	59	55455	221.064	ug/l	96
12) 1,1-Dichloroethene	2.319	96	65425	54.180	ug/l	95
13) Acrolein	2.240	56	54202	252.991	ug/l	99
14) Allyl chloride	2.666	41	104435	55.065	ug/l	97
15) Acrylonitrile	3.063	53	164215	248.785	ug/l	98
16) Acetone	2.386	43	140408	245.838	ug/l	97
17) Carbon Disulfide	2.514	76	149142	52.756	ug/l	97
18) Methyl Acetate	2.703	43	100283	51.719	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	232320	55.832	ug/l	98
20) Methylene Chloride	2.788	84	73053	49.814	ug/l	94
21) trans-1,2-Dichloroethene	3.093	96	70166	53.350	ug/l	99
22) Diisopropyl ether	3.758	45	230010	55.382	ug/l	98
23) Vinyl Acetate	3.721	43	922212	277.823	ug/l	100
24) 1,1-Dichloroethane	3.611	63	130354	54.323	ug/l	99
25) 2-Butanone	4.556	43	225272	252.629	ug/l	100
26) 2,2-Dichloropropane	4.477	77	97437	56.358	ug/l	100
27) cis-1,2-Dichloroethene	4.489	96	84263	54.719	ug/l	98
28) Bromochloromethane	4.898	49	48954	49.448	ug/l	99
29) Tetrahydrofuran	5.007	42	146123	253.717	ug/l	99
30) Chloroform	5.093	83	142713	54.641	ug/l	97
31) Cyclohexane	5.477	56	110610	54.975	ug/l	99
32) 1,1,1-Trichloroethane	5.385	97	130084	58.405	ug/l	100
36) 1,1-Dichloropropene	5.696	75	102600	52.875	ug/l	99
37) Ethyl Acetate	4.715	43	94962	49.983	ug/l	99
38) Carbon Tetrachloride	5.678	117	113379	55.349	ug/l	99
39) Methylcyclohexane	7.379	83	125056	53.949	ug/l	99
40) Benzene	6.038	78	292598	52.027	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	52531	52.435	ug/l	97
42) 1,2-Dichloroethane	6.086	62	120185	55.791	ug/l	98
43) Isopropyl Acetate	6.342	43	161112	54.030	ug/l	100
44) Trichloroethene	7.129	130	81627	52.706	ug/l	100
45) 1,2-Dichloropropane	7.434	63	75642	53.316	ug/l	98
46) Dibromomethane	7.580	93	57319	54.168	ug/l	99
47) Bromodichloromethane	7.824	83	108425	55.468	ug/l	99
48) Methyl methacrylate	7.696	41	82434	55.431	ug/l	97
49) 1,4-Dioxane	7.684	88	27129	908.977	ug/l	96
51) 4-Methyl-2-Pentanone	8.574	43	484072	258.970	ug/l	99
52) Toluene	8.720	92	193637	53.151	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	112385	50.984	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	120615	55.377	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	78941	53.339	ug/l	99
56) Ethyl methacrylate	9.116	69	118466	55.579	ug/l	99
57) 1,3-Dichloropropane	9.311	76	129528	54.032	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.245	63	239881	245.531	ug/l	99
59) 2-Hexanone	9.433	43	356358	255.501	ug/l	100
60) Dibromochloromethane	9.525	129	85797	56.564	ug/l	99
61) 1,2-Dibromoethane	9.610	107	85390	54.426	ug/l	98
64) Tetrachloroethene	9.275	164	67387	51.265	ug/l	98
65) Chlorobenzene	10.080	112	213054	52.203	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	80155	54.887	ug/l	100
67) Ethyl Benzene	10.195	91	390478	54.039	ug/l	99
68) m/p-Xylenes	10.299	106	304705	106.780	ug/l	98
69) o-Xylene	10.640	106	149529	54.698	ug/l	100
70) Styrene	10.653	104	253107	54.905	ug/l	99
71) Bromoform	10.799	173	59767	48.315	ug/l #	99
73) Isopropylbenzene	10.964	105	404664	52.735	ug/l	99
74) N-amyl acetate	10.842	43	154537	54.513	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.214	83	123478	50.052	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	109987m	51.617	ug/l	
77) Bromobenzene	11.201	156	97560	51.869	ug/l	98
78) n-propylbenzene	11.305	91	479600	54.584	ug/l	99
79) 2-Chlorotoluene	11.366	91	280900	53.045	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	357718	53.971	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	32526	48.076	ug/l	100
82) 4-Chlorotoluene	11.457	91	335179	54.365	ug/l	99
83) tert-Butylbenzene	11.713	119	355650	53.630	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	353934	54.925	ug/l	98
85) sec-Butylbenzene	11.890	105	432303	53.941	ug/l	99
86) p-Isopropyltoluene	12.012	119	373617	54.789	ug/l	99
87) 1,3-Dichlorobenzene	11.970	146	189916	52.460	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	193416	52.011	ug/l	99
89) n-Butylbenzene	12.335	91	328116	54.629	ug/l	100
90) Hexachloroethane	12.543	117	56007	52.929	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	187190	52.672	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	25390	51.101	ug/l	98
93) 1,2,4-Trichlorobenzene	13.591	180	121958	52.713	ug/l	98
94) Hexachlorobutadiene	13.725	225	48776	48.575	ug/l	99
95) Naphthalene	13.774	128	396181	53.465	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	117963	50.692	ug/l	98

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

