

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120822\
 Data File : VX033336.D
 Acq On : 08 Dec 2022 20:08
 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 12/09/2022
 Supervised By : Mahesh Dadoda 12/09/2022

Quant Time: Dec 09 00:55:19 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120722W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 07 12:43:54 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	170774	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	272806	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	245554	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	123266	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	46504	42.447	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	84.900%		
35) Dibromofluoromethane	5.385	113	54716	44.592	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	89.180%		
50) Toluene-d8	8.653	98	119059	46.383	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	92.760%		
62) 4-Bromofluorobenzene	11.079	95	95773	48.797	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.600%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	62101	52.057	ug/l	96
3) Chloromethane	1.294	50	62828	45.551	ug/l	99
4) Vinyl Chloride	1.373	62	72390	45.965	ug/l	97
5) Bromomethane	1.617	94	40478	35.023	ug/l	97
6) Chloroethane	1.690	64	50023	41.875	ug/l	98
7) Trichlorofluoromethane	1.885	101	128568	43.483	ug/l	100
8) Diethyl Ether	2.135	74	47152	44.152	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.331	101	52453	33.443	ug/l	96
10) Methyl Iodide	2.452	142	54255	31.584	ug/l	95
11) Tert butyl alcohol	3.007	59	70938m	211.785	ug/l	
12) 1,1-Dichloroethene	2.318	96	51742	33.421	ug/l	99
13) Acrolein	2.239	56	51289	141.186	ug/l	99
14) Allyl chloride	2.666	41	74430	30.104	ug/l	96
15) Acrylonitrile	3.068	53	185245	223.262	ug/l	98
16) Acetone	2.391	43	100908	124.471	ug/l	94
17) Carbon Disulfide	2.513	76	119130	29.981	ug/l	99
18) Methyl Acetate	2.708	43	71924	30.647	ug/l	96
19) Methyl tert-butyl Ether	3.111	73	254858	47.523	ug/l	100
20) Methylene Chloride	2.800	84	68988	38.157	ug/l	88
21) trans-1,2-Dichloroethene	3.093	96	80966	47.808	ug/l	99
22) Diisopropyl ether	3.757	45	245623	46.369	ug/l #	86
23) Vinyl Acetate	3.720	43	931056	226.451	ug/l	98
24) 1,1-Dichloroethane	3.611	63	144797	46.522	ug/l	100
25) 2-Butanone	4.562	43	251486	216.111	ug/l	100
26) 2,2-Dichloropropane	4.476	77	100700	43.996	ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	96110	47.485	ug/l	95
28) Bromochloromethane	4.897	49	61707	47.362	ug/l	91
29) Tetrahydrofuran	5.013	42	163496	216.851	ug/l	95
30) Chloroform	5.092	83	160388	46.418	ug/l	97
31) Cyclohexane	5.476	56	125342	48.140	ug/l	91
32) 1,1,1-Trichloroethane	5.385	97	141946	47.746	ug/l	98
36) 1,1-Dichloropropene	5.696	75	114456	47.844	ug/l	98
37) Ethyl Acetate	4.714	43	99831	44.146	ug/l	98
38) Carbon Tetrachloride	5.677	117	123314	46.007	ug/l	97
39) Methylcyclohexane	7.378	83	131448	49.090	ug/l	99
40) Benzene	6.043	78	334202	47.913	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	57665	46.275	ug/l	97
42) 1,2-Dichloroethane	6.086	62	125503	45.311	ug/l	97
43) Isopropyl Acetate	6.336	43	165997	45.621	ug/l	97
44) Trichloroethene	7.128	130	95371	49.592	ug/l	98
45) 1,2-Dichloropropane	7.427	63	83266	46.678	ug/l	99
46) Dibromomethane	7.580	93	61478	45.241	ug/l	95
47) Bromodichloromethane	7.823	83	121418	45.837	ug/l	100
48) Methyl methacrylate	7.695	41	84236	44.857	ug/l	91
49) 1,4-Dioxane	7.714	88	38603	901.477	ug/l	96
51) 4-Methyl-2-Pentanone	8.573	43	518389	225.289	ug/l	96
52) Toluene	8.720	92	220587	48.913	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	120340	42.676	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	132310	46.939	ug/l	91
55) 1,1,2-Trichloroethane	9.152	97	89068	46.983	ug/l	99
56) Ethyl methacrylate	9.116	69	127683	47.837	ug/l #	90
57) 1,3-Dichloropropane	9.311	76	143307	47.057	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	292293	239.332	ug/l	98
59) 2-Hexanone	9.433	43	384702	226.872	ug/l	95
60) Dibromochloromethane	9.524	129	94759	45.368	ug/l	100
61) 1,2-Dibromoethane	9.610	107	95416	47.318	ug/l	100
64) Tetrachloroethene	9.274	164	81769	48.699	ug/l	96
65) Chlorobenzene	10.079	112	237813	47.826	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.164	131	89013	47.369	ug/l	99
67) Ethyl Benzene	10.195	91	432721	49.951	ug/l	97
68) m/p-Xylenes	10.299	106	339407	100.701	ug/l	97
69) o-Xylene	10.640	106	168677	50.631	ug/l	94
70) Styrene	10.658	104	273835	50.188	ug/l	98
71) Bromoform	10.799	173	67431	45.334	ug/l #	98
73) Isopropylbenzene	10.963	105	435170	48.707	ug/l	99
74) N-amyl acetate	10.841	43	143721	47.148	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.213	83	130065	45.888	ug/l	99
76) 1,2,3-Trichloropropane	11.237	75	115129m	45.907	ug/l	
77) Bromobenzene	11.201	156	106266	47.101	ug/l	99
78) n-propylbenzene	11.305	91	487982	48.915	ug/l	99
79) 2-Chlorotoluene	11.365	91	294367	47.746	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	364957	49.073	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	32260	40.014	ug/l	99
82) 4-Chlorotoluene	11.457	91	336197	46.896	ug/l	98
83) tert-Butylbenzene	11.713	119	364116	49.097	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	370475	49.904	ug/l	100
85) sec-Butylbenzene	11.890	105	431749	49.897	ug/l	99
86) p-Isopropyltoluene	12.012	119	369833	49.576	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	196694	48.128	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	200544	48.040	ug/l	98
89) n-Butylbenzene	12.335	91	303204	49.624	ug/l	99
90) Hexachloroethane	12.536	117	54841	43.249	ug/l	95
91) 1,2-Dichlorobenzene	12.335	146	195847	47.932	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.944	75	26340	43.023	ug/l	91
93) 1,2,4-Trichlorobenzene	13.591	180	120505	48.834	ug/l	99
94) Hexachlorobutadiene	13.725	225	47141	47.706	ug/l	98
95) Naphthalene	13.774	128	413744	50.265	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	120982	48.407	ug/l	99

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

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