

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121922\
 Data File : VX033471.D
 Acq On : 19 Dec 2022 09:56
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/20/2022
 Supervised By : Mahesh Dadoda 12/20/2022

Quant Time: Dec 20 04:58:44 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	5.544	168	131726	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.757	114	204124	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	191612	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	99712	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	38865	45.990	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	91.980%		
35) Dibromofluoromethane	5.385	113	45998	50.101	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	100.200%		
50) Toluene-d8	8.647	98	97756	50.898	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	101.800%		
62) 4-Bromofluorobenzene	11.079	95	81732	55.655	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	111.300%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	49142	53.405	ug/l	98
3) Chloromethane	1.294	50	48563	45.645	ug/l	99
4) Vinyl Chloride	1.374	62	58024	47.764	ug/l	100
5) Bromomethane	1.618	94	33710	37.813	ug/l	99
6) Chloroethane	1.691	64	45840	49.748	ug/l	99
7) Trichlorofluoromethane	1.886	101	91067	39.930	ug/l	99
8) Diethyl Ether	2.130	74	31746	38.538	ug/l	90
9) 1,1,2-Trichlorotrifluo...	2.331	101	70781	58.506	ug/l	99
10) Methyl Iodide	2.453	142	76620	57.826	ug/l	98
11) Tert butyl alcohol	2.989	59	55573	215.095	ug/l #	93
12) 1,1-Dichloroethene	2.319	96	64094	53.671	ug/l	94
13) Acrolein	2.239	56	37347	133.282	ug/l	100
14) Allyl chloride	2.666	41	99264	52.050	ug/l	97
15) Acrylonitrile	3.062	53	155157	242.432	ug/l	96
16) Acetone	2.386	43	184871	295.639	ug/l	99
17) Carbon Disulfide	2.514	76	152567	49.777	ug/l	99
18) Methyl Acetate	2.703	43	90119	49.783	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	224787	54.341	ug/l	97
20) Methylene Chloride	2.788	84	68865	49.380	ug/l	94
21) trans-1,2-Dichloroethene	3.093	96	69649	53.316	ug/l	98
22) Diisopropyl ether	3.757	45	223121	54.607	ug/l	97
23) Vinyl Acetate	3.715	43	843024	265.821	ug/l	99
24) 1,1-Dichloroethane	3.605	63	125903	52.443	ug/l	99
25) 2-Butanone	4.556	43	230650	256.961	ug/l	97
26) 2,2-Dichloropropane	4.477	77	109074	61.781	ug/l	100
27) cis-1,2-Dichloroethene	4.489	96	85228	54.591	ug/l	98
28) Bromochloromethane	4.891	49	51846	51.590	ug/l	92
29) Tetrahydrofuran	5.001	42	134947	232.043	ug/l	97
30) Chloroform	5.086	83	146638	55.019	ug/l	99
31) Cyclohexane	5.470	56	109552	54.548	ug/l	90
32) 1,1,1-Trichloroethane	5.379	97	133419	58.181	ug/l	99
36) 1,1-Dichloropropene	5.690	75	103224	57.667	ug/l	99
37) Ethyl Acetate	4.708	43	85045	50.261	ug/l	100
38) Carbon Tetrachloride	5.672	117	120603	60.135	ug/l	98
39) Methylcyclohexane	7.379	83	119354	59.571	ug/l	99
40) Benzene	6.037	78	293265	56.191	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	48847	52.388	ug/l	97
42) 1,2-Dichloroethane	6.080	62	112196	54.136	ug/l	99
43) Isopropyl Acetate	6.330	43	145899	53.589	ug/l	98
44) Trichloroethene	7.123	130	84826	58.950	ug/l	95
45) 1,2-Dichloropropane	7.427	63	75098	56.264	ug/l	97
46) Dibromomethane	7.580	93	56513	55.580	ug/l	98
47) Bromodichloromethane	7.818	83	117991	59.531	ug/l	100
48) Methyl methacrylate	7.690	41	74149	52.771	ug/l	93
49) 1,4-Dioxane	7.702	88	30474	951.093	ug/l	98
51) 4-Methyl-2-Pentanone	8.568	43	456468	265.127	ug/l	97
52) Toluene	8.714	92	199593	59.149	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	119948	56.017	ug/l	99
54) cis-1,3-Dichloropropene	8.360	75	127118	60.271	ug/l	92
55) 1,1,2-Trichloroethane	9.147	97	82316	58.032	ug/l	99
56) Ethyl methacrylate	9.116	69	115757	57.962	ug/l	92
57) 1,3-Dichloropropane	9.305	76	130398	57.226	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	277452	303.620	ug/l	98
59) 2-Hexanone	9.427	43	362612	285.797	ug/l	95
60) Dibromochloromethane	9.519	129	96660	61.849	ug/l	99
61) 1,2-Dibromoethane	9.610	107	88539	58.682	ug/l	100
64) Tetrachloroethene	9.269	164	75616	57.712	ug/l	97
65) Chlorobenzene	10.079	112	222537	57.352	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	85331	58.193	ug/l	99
67) Ethyl Benzene	10.195	91	404383	59.822	ug/l	98
68) m/p-Xylenes	10.299	106	319761	121.581	ug/l	97
69) o-Xylene	10.640	106	155240	59.716	ug/l	95
70) Styrene	10.652	104	260067	61.083	ug/l	98
71) Bromoform	10.799	173	70798	60.998	ug/l #	98
73) Isopropylbenzene	10.963	105	411336	56.915	ug/l	100
74) N-amyl acetate	10.841	43	130807	53.049	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.213	83	120095	52.379	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	96342m	47.491	ug/l	
77) Bromobenzene	11.195	156	100137	54.869	ug/l	98
78) n-propylbenzene	11.305	91	470323	58.282	ug/l	99
79) 2-Chlorotoluene	11.366	91	279169	55.977	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	345758	57.473	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	35781	54.866	ug/l	91
82) 4-Chlorotoluene	11.457	91	326084	56.230	ug/l	98
83) tert-Butylbenzene	11.713	119	342957	57.168	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	343717	57.237	ug/l	99
85) sec-Butylbenzene	11.890	105	417210	59.607	ug/l	99
86) p-Isopropyltoluene	12.006	119	355462	58.905	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	189842	57.425	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	190413	56.388	ug/l	99
89) n-Butylbenzene	12.335	91	306502	62.014	ug/l	99
90) Hexachloroethane	12.536	117	60697	59.174	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	183946	55.654	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	24731	49.937	ug/l	93
93) 1,2,4-Trichlorobenzene	13.585	180	117807	59.017	ug/l	98
94) Hexachlorobutadiene	13.725	225	49920	62.452	ug/l	98
95) Naphthalene	13.774	128	374628	56.264	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	116453	57.602	ug/l	99

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

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