

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120222\
 Data File : VX033204.D
 Acq On : 02 Dec 2022 22:20
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/05/2022
 Supervised By : Mahesh Dadoda 12/05/2022

Quant Time: Dec 05 00:59:01 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112222W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 22 13:58:46 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	91665	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	164079	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	147702	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	66652	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	57167	64.748	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 129.500%#			
35) Dibromofluoromethane	5.391	113	48108	52.008	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.020%			
50) Toluene-d8	8.647	98	119592	42.652	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 85.300%#			
62) 4-Bromofluorobenzene	11.079	95	53373	43.925	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 87.840%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	19029	27.172	ug/l	100
3) Chloromethane	1.294	50	40881	54.074	ug/l	99
4) Vinyl Chloride	1.374	62	40196	47.750	ug/l	100
5) Bromomethane	1.617	94	39247	62.873	ug/l	100
6) Chloroethane	1.691	64	41003	59.832	ug/l	100
7) Trichlorofluoromethane	1.886	101	64949	39.754	ug/l	97
8) Diethyl Ether	2.136	74	39663	77.111	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	30861	35.938	ug/l	98
10) Methyl Iodide	2.453	142	55523	56.481	ug/l	99
11) Tert butyl alcohol	3.007	59	43418	306.825	ug/l	96
12) 1,1-Dichloroethene	2.319	96	41019	51.278	ug/l	94
13) Acrolein	2.239	56	83607	514.371	ug/l	99
14) Allyl chloride	2.666	41	82178	63.632	ug/l	97
15) Acrylonitrile	3.068	53	161160	402.649	ug/l	99
16) Acetone	2.398	43	140301	336.535	ug/l	100
17) Carbon Disulfide	2.514	76	91759	41.519	ug/l	98
18) Methyl Acetate	2.709	43	94802	82.148	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	217032	78.232	ug/l	98
20) Methylene Chloride	2.788	84	63542	73.870	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	51316	56.081	ug/l	99
22) Diisopropyl ether	3.757	45	217408	77.312	ug/l #	88
23) Vinyl Acetate	3.721	43	865685	393.276	ug/l	100
24) 1,1-Dichloroethane	3.611	63	107681	66.916	ug/l	98
25) 2-Butanone	4.562	43	222893	387.729	ug/l	98
26) 2,2-Dichloropropane	4.477	77	65479	50.606	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	70229	67.551	ug/l	98
28) Bromochloromethane	4.897	49	48064	67.975	ug/l	99
29) Tetrahydrofuran	5.013	42	146527	401.689	ug/l	100
30) Chloroform	5.099	83	126659	70.276	ug/l	100
31) Cyclohexane	5.470	56	49486	34.213	ug/l	95
32) 1,1,1-Trichloroethane	5.385	97	89496	55.448	ug/l	99
36) 1,1-Dichloropropene	5.690	75	60293	40.764	ug/l	99
37) Ethyl Acetate	4.714	43	90072	69.802	ug/l	99
38) Carbon Tetrachloride	5.684	117	67330	41.035	ug/l	98
39) Methylcyclohexane	7.379	83	49550	29.361	ug/l	98
40) Benzene	6.037	78	232831	56.145	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	52776	72.686	ug/l	96
42) 1,2-Dichloroethane	6.092	62	109642	65.665	ug/l	100
43) Isopropyl Acetate	6.342	43	151340	70.916	ug/l	100
44) Trichloroethene	7.129	130	55159	47.401	ug/l	93
45) 1,2-Dichloropropane	7.433	63	64387	62.826	ug/l	99
46) Dibromomethane	7.580	93	51381	64.253	ug/l	99
47) Bromodichloromethane	7.824	83	97685	63.219	ug/l	99
48) Methyl methacrylate	7.690	41	77382	70.444	ug/l	97
49) 1,4-Dioxane	7.714	88	31546	1560.079	ug/l	93
51) 4-Methyl-2-Pentanone	8.574	43	480807	365.116	ug/l	98
52) Toluene	8.720	92	141100	51.717	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	98558	59.079	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	102962	61.810	ug/l	95
55) 1,1,2-Trichloroethane	9.153	97	74104	66.713	ug/l	99
56) Ethyl methacrylate	9.116	69	109944	71.838	ug/l	95
57) 1,3-Dichloropropane	9.311	76	118025	65.818	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	239625	329.722	ug/l	100
59) 2-Hexanone	9.433	43	351051	360.872	ug/l	99
60) Dibromochloromethane	9.518	129	77324	64.658	ug/l	99
61) 1,2-Dibromoethane	9.610	107	78427	66.893	ug/l	98
64) Tetrachloroethene	9.275	164	40123	38.377	ug/l	97
65) Chlorobenzene	10.079	112	154022	52.304	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	66047	61.212	ug/l	99
67) Ethyl Benzene	10.195	91	245991	47.091	ug/l	99
68) m/p-Xylenes	10.299	106	188342	92.075	ug/l	99
69) o-Xylene	10.640	106	100087	50.569	ug/l	100
70) Styrene	10.652	104	175887	54.320	ug/l	99
71) Bromoform	10.799	173	55698	67.327	ug/l #	100
73) Isopropylbenzene	10.963	105	227828	47.834	ug/l	100
74) N-amyl acetate	10.841	43	127107	78.450	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	108862	75.729	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	97745m	77.435	ug/l	
77) Bromobenzene	11.201	156	69464	59.302	ug/l	98
78) n-propylbenzene	11.305	91	247862	45.516	ug/l	100
79) 2-Chlorotoluene	11.366	91	172345	52.109	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	199621	49.891	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	28462	73.292	ug/l	99
82) 4-Chlorotoluene	11.457	91	197352	50.919	ug/l	100
83) tert-Butylbenzene	11.713	119	196253	49.275	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	202649	50.794	ug/l	100
85) sec-Butylbenzene	11.890	105	205191	43.063	ug/l	100
86) p-Isopropyltoluene	12.006	119	179799	44.537	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	114715	52.213	ug/l	100
88) 1,4-Dichlorobenzene	12.042	146	115430	51.300	ug/l	99
89) n-Butylbenzene	12.335	91	142900	41.088	ug/l	100
90) Hexachloroethane	12.542	117	30463	45.930	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	123031	57.566	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	22106	77.074	ug/l	99
93) 1,2,4-Trichlorobenzene	13.591	180	70105	53.213	ug/l	98
94) Hexachlorobutadiene	13.725	225	20347	35.007	ug/l	99
95) Naphthalene	13.774	128	290457	68.150	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	74703	56.544	ug/l	98

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

