

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121422\
 Data File : VX033428.D
 Acq On : 14 Dec 2022 18:58
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/15/2022
 Supervised By : Mahesh Dadoda 12/15/2022

Quant Time: Dec 14 22:53:23 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	139678	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	218923	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	200973	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	101340	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	40960	45.710	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	91.420%		
35) Dibromofluoromethane	5.385	113	49287	50.054	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	100.100%		
50) Toluene-d8	8.647	98	102785	49.898	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.800%		
62) 4-Bromofluorobenzene	11.079	95	82335	52.276	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	104.560%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	46387	47.541	ug/l	99
3) Chloromethane	1.294	50	48068	42.608	ug/l	98
4) Vinyl Chloride	1.374	62	56990	44.242	ug/l	100
5) Bromomethane	1.617	94	42083	44.518	ug/l	98
6) Chloroethane	1.691	64	43952	44.984	ug/l	100
7) Trichlorofluoromethane	1.892	101	84907	35.109	ug/l	99
8) Diethyl Ether	2.136	74	29239	33.474	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.331	101	46261	36.061	ug/l	98
10) Methyl Iodide	2.453	142	52174	37.134	ug/l	95
11) Tert butyl alcohol	3.007	59	43413m	158.464	ug/l	
12) 1,1-Dichloroethene	2.325	96	43675	34.490	ug/l	92
13) Acrolein	2.239	56	49584	166.879	ug/l	100
14) Allyl chloride	2.666	41	63584	31.443	ug/l	95
15) Acrylonitrile	3.068	53	110227	162.424	ug/l	98
16) Acetone	2.392	43	88821	133.953	ug/l	92
17) Carbon Disulfide	2.514	76	100726	30.992	ug/l	99
18) Methyl Acetate	2.703	43	63662	33.166	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	147930	33.726	ug/l	100
20) Methylene Chloride	2.794	84	47952	32.427	ug/l	94
21) trans-1,2-Dichloroethene	3.093	96	48128	34.745	ug/l	95
22) Diisopropyl ether	3.763	45	144964	33.459	ug/l	99
23) Vinyl Acetate	3.721	43	570277	169.582	ug/l	98
24) 1,1-Dichloroethane	3.611	63	83995	32.995	ug/l	99
25) 2-Butanone	4.562	43	159140	167.200	ug/l	99
26) 2,2-Dichloropropane	4.477	77	64699	34.560	ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	58358	35.252	ug/l	94
28) Bromochloromethane	4.897	49	53029	49.763	ug/l	93
29) Tetrahydrofuran	5.007	42	143632	232.916	ug/l	96
30) Chloroform	5.098	83	142943	50.579	ug/l	99
31) Cyclohexane	5.470	56	104559	49.098	ug/l	93
32) 1,1,1-Trichloroethane	5.385	97	125843	51.753	ug/l	98
36) 1,1-Dichloropropene	5.690	75	99094	51.617	ug/l	99
37) Ethyl Acetate	4.714	43	89312	49.215	ug/l	100
38) Carbon Tetrachloride	5.678	117	109805	51.050	ug/l	98
39) Methylcyclohexane	7.379	83	111259	51.777	ug/l	98
40) Benzene	6.037	78	289608	51.739	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	50152	50.152	ug/l	97
42) 1,2-Dichloroethane	6.086	62	109364	49.202	ug/l	97
43) Isopropyl Acetate	6.336	43	147358	50.467	ug/l	97
44) Trichloroethene	7.129	130	81354	52.715	ug/l	98
45) 1,2-Dichloropropane	7.433	63	74006	51.698	ug/l	100
46) Dibromomethane	7.580	93	55294	50.705	ug/l	97
47) Bromodichloromethane	7.824	83	108779	51.173	ug/l	100
48) Methyl methacrylate	7.689	41	75478	50.086	ug/l	92
49) 1,4-Dioxane	7.702	88	34278	997.498	ug/l	97
51) 4-Methyl-2-Pentanone	8.573	43	464816	251.726	ug/l	96
52) Toluene	8.720	92	192873	53.294	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	111225	48.771	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	121875	53.879	ug/l #	90
55) 1,1,2-Trichloroethane	9.153	97	80948	53.210	ug/l	98
56) Ethyl methacrylate	9.116	69	114883	53.635	ug/l #	91
57) 1,3-Dichloropropane	9.311	76	127953	52.357	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	259702	264.984	ug/l	96
59) 2-Hexanone	9.433	43	340739	250.403	ug/l	94
60) Dibromochloromethane	9.518	129	88343	52.706	ug/l	100
61) 1,2-Dibromoethane	9.610	107	86372	53.376	ug/l	98
64) Tetrachloroethene	9.275	164	69572	50.626	ug/l	98
65) Chlorobenzene	10.079	112	210847	51.809	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	81183	52.786	ug/l	99
67) Ethyl Benzene	10.195	91	374134	52.769	ug/l	98
68) m/p-Xylenes	10.305	106	294918	106.912	ug/l	97
69) o-Xylene	10.640	106	144060	52.834	ug/l	96
70) Styrene	10.658	104	240756	53.913	ug/l	98
71) Bromoform	10.799	173	63261	51.965	ug/l #	99
73) Isopropylbenzene	10.963	105	375632	51.140	ug/l	99
74) N-amyl acetate	10.841	43	131500	52.473	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.213	83	115200	49.437	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	103742m	50.317	ug/l	
77) Bromobenzene	11.201	156	94048	50.705	ug/l	98
78) n-propylbenzene	11.305	91	427297	52.099	ug/l	99
79) 2-Chlorotoluene	11.366	91	256064	50.519	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	317025	51.851	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	31788	47.960	ug/l	94
82) 4-Chlorotoluene	11.457	91	294825	50.023	ug/l	97
83) tert-Butylbenzene	11.713	119	317727	52.112	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	314344	51.504	ug/l	99
85) sec-Butylbenzene	11.890	105	374772	52.684	ug/l	99
86) p-Isopropyltoluene	12.012	119	319339	52.069	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	172074	51.214	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	173894	50.669	ug/l	98
89) n-Butylbenzene	12.335	91	266512	53.056	ug/l	99
90) Hexachloroethane	12.542	117	51756	49.647	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	171330	51.004	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	23271	46.234	ug/l	91
93) 1,2,4-Trichlorobenzene	13.585	180	106907	52.697	ug/l	97
94) Hexachlorobutadiene	13.725	225	43614	53.686	ug/l	99
95) Naphthalene	13.774	128	356850	52.733	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	106272	51.722	ug/l	100

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

