

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042723\
 Data File : VX035356.D
 Acq On : 28 Apr 2023 00:50
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/28/2023
 Supervised By : Mahesh Dadoda 04/28/2023

Quant Time: Apr 28 05:39:51 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042523W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 16:31:40 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	264990	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	425367	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	380199	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	187269	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	159205	49.799	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	99.600%		
35) Dibromofluoromethane	5.385	113	131523	50.377	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	100.760%		
50) Toluene-d8	8.647	98	484313	49.175	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.360%		
62) 4-Bromofluorobenzene	11.079	95	184768	49.871	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.740%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	135671	48.386	ug/l	100
3) Chloromethane	1.295	50	111999	43.909	ug/l	98
4) Vinyl Chloride	1.374	62	116785	45.649	ug/l	98
5) Bromomethane	1.618	94	70844	41.664	ug/l	98
6) Chloroethane	1.691	64	68059	45.487	ug/l	98
7) Trichlorofluoromethane	1.886	101	192610	48.144	ug/l	99
8) Diethyl Ether	2.130	74	67032	45.954	ug/l	92
9) 1,1,2-Trichlorotrifluo...	2.331	101	121331	45.407	ug/l	96
10) Methyl Iodide	2.453	142	140329	41.612	ug/l	98
11) Tert butyl alcohol	3.020	59	139854	240.258	ug/l #	84
12) 1,1-Dichloroethene	2.319	96	120066	46.651	ug/l	98
13) Acrolein	2.239	56	120059	209.726	ug/l	100
14) Allyl chloride	2.666	41	206600	45.615	ug/l	98
15) Acrylonitrile	3.069	53	342941	235.554	ug/l	99
16) Acetone	2.398	43	292445	210.621	ug/l	100
17) Carbon Disulfide	2.514	76	281740	45.664	ug/l	100
18) Methyl Acetate	2.709	43	257915	48.036	ug/l	96
19) Methyl tert-butyl Ether	3.111	73	434666	49.228	ug/l	97
20) Methylene Chloride	2.788	84	139107	43.693	ug/l	92
21) trans-1,2-Dichloroethene	3.093	96	131848	47.169	ug/l	94
22) Diisopropyl ether	3.757	45	425991	47.529	ug/l	94
23) Vinyl Acetate	3.721	43	1508050	244.784	ug/l	97
24) 1,1-Dichloroethane	3.611	63	242861	48.106	ug/l	99
25) 2-Butanone	4.562	43	461393	227.664	ug/l	93
26) 2,2-Dichloropropane	4.477	77	168179	42.521	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	154526	47.030	ug/l	94
28) Bromochloromethane	4.898	49	92538	43.012	ug/l	86
29) Tetrahydrofuran	5.013	42	300374	231.204	ug/l	95
30) Chloroform	5.093	83	252711	49.585	ug/l	96
31) Cyclohexane	5.471	56	207898	45.843	ug/l	98
32) 1,1,1-Trichloroethane	5.379	97	220453	49.358	ug/l	97
36) 1,1-Dichloropropene	5.690	75	186112	45.654	ug/l	99
37) Ethyl Acetate	4.709	43	177864	47.770	ug/l	96
38) Carbon Tetrachloride	5.678	117	190886	49.325	ug/l	97
39) Methylcyclohexane	7.379	83	214358	43.198	ug/l	99
40) Benzene	6.038	78	539448	46.129	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	102812	48.191	ug/l	97
42) 1,2-Dichloroethane	6.086	62	196632	47.158	ug/l	97
43) Isopropyl Acetate	6.336	43	297583	47.565	ug/l	95
44) Trichloroethene	7.123	130	151978	47.175	ug/l	93
45) 1,2-Dichloropropane	7.428	63	140047	47.501	ug/l	99
46) Dibromomethane	7.580	93	96372	47.600	ug/l	92
47) Bromodichloromethane	7.824	83	185555	49.743	ug/l	98
48) Methyl methacrylate	7.690	41	149742	48.793	ug/l	92
49) 1,4-Dioxane	7.714	88	68399	914.362	ug/l #	87
51) 4-Methyl-2-Pentanone	8.574	43	910629	236.918	ug/l	96
52) Toluene	8.720	92	349115	47.097	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	194656	49.967	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	218918	49.717	ug/l	92
55) 1,1,2-Trichloroethane	9.153	97	140713	47.617	ug/l	97
56) Ethyl methacrylate	9.116	69	217583	49.428	ug/l	90
57) 1,3-Dichloropropane	9.305	76	234774	46.449	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	558507	253.739	ug/l	95
59) 2-Hexanone	9.433	43	679107	235.185	ug/l	94
60) Dibromochloromethane	9.519	129	146000	51.567	ug/l	100
61) 1,2-Dibromoethane	9.610	107	148107	48.618	ug/l	100
64) Tetrachloroethene	9.275	164	132190	45.409	ug/l	100
65) Chlorobenzene	10.080	112	372891	45.332	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	139974	48.895	ug/l	99
67) Ethyl Benzene	10.195	91	667679	46.871	ug/l	99
68) m/p-Xylenes	10.299	106	512205	93.837	ug/l	98
69) o-Xylene	10.640	106	256950	48.005	ug/l	97
70) Styrene	10.653	104	422690	48.705	ug/l	97
71) Bromoform	10.799	173	103309	51.882	ug/l	100
73) Isopropylbenzene	10.964	105	666923	48.719	ug/l	100
74) N-amyl acetate	10.842	43	257883	50.128	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.213	83	200709	47.238	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	168336m	45.063	ug/l	
77) Bromobenzene	11.195	156	163910	48.169	ug/l	92
78) n-propylbenzene	11.305	91	745201	47.399	ug/l	99
79) 2-Chlorotoluene	11.366	91	457609	46.579	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	561742	48.667	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	53589	46.462	ug/l	100
82) 4-Chlorotoluene	11.451	91	522664	47.368	ug/l	98
83) tert-Butylbenzene	11.713	119	551279	47.600	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	560161	48.299	ug/l	100
85) sec-Butylbenzene	11.890	105	662351	46.625	ug/l	100
86) p-Isopropyltoluene	12.006	119	577481	47.796	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	305488	47.240	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	303194	44.717	ug/l	99
89) n-Butylbenzene	12.329	91	467867	45.872	ug/l	98
90) Hexachloroethane	12.536	117	91454	49.447	ug/l	88
91) 1,2-Dichlorobenzene	12.335	146	301960	46.687	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	43402	50.942	ug/l	84
93) 1,2,4-Trichlorobenzene	13.585	180	192950	47.460	ug/l	100
94) Hexachlorobutadiene	13.725	225	74363	41.677	ug/l	99
95) Naphthalene	13.774	128	626993	50.097	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	187493	45.813	ug/l	99

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

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