

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112522\
 Data File : VX033078.D
 Acq On : 25 Nov 2022 19:09
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/28/2022
 Supervised By : Mahesh Dadoda 11/28/2022

Quant Time: Nov 28 00:51:11 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	159793	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	256033	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	230871	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	115278	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	66365	42.002	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	84.000%		
35) Dibromofluoromethane	5.385	113	58239	40.348	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	80.700%		
50) Toluene-d8	8.647	98	178011	40.582	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	81.160%#		
62) 4-Bromofluorobenzene	11.079	95	78612	41.460	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	82.920%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	55961	45.840	ug/l	95
3) Chloromethane	1.294	50	60437	45.858	ug/l	97
4) Vinyl Chloride	1.374	62	69514	47.371	ug/l	98
5) Bromomethane	1.618	94	38929	35.775	ug/l	98
6) Chloroethane	1.691	64	47868	40.069	ug/l	99
7) Trichlorofluoromethane	1.892	101	126814	44.527	ug/l	99
8) Diethyl Ether	2.136	74	44483	49.610	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.331	101	71872	48.012	ug/l	98
10) Methyl Iodide	2.453	142	47967	27.991	ug/l	98
11) Tert butyl alcohol	3.026	59	68944m	279.488	ug/l	
12) 1,1-Dichloroethene	2.319	96	68959	49.452	ug/l	98
13) Acrolein	2.246	56	61090	215.600	ug/l	99
14) Allyl chloride	2.666	41	109547	48.660	ug/l	94
15) Acrylonitrile	3.069	53	175710	251.832	ug/l	99
16) Acetone	2.398	43	151000	207.775	ug/l	98
17) Carbon Disulfide	2.514	76	168801	43.815	ug/l	99
18) Methyl Acetate	2.709	43	101748	50.577	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	245046	50.670	ug/l	100
20) Methylene Chloride	2.788	84	75542	49.954	ug/l	94
21) trans-1,2-Dichloroethene	3.093	96	74404	46.645	ug/l	100
22) Diisopropyl ether	3.757	45	237175	48.382	ug/l #	85
23) Vinyl Acetate	3.721	43	932109	242.913	ug/l	98
24) 1,1-Dichloroethane	3.611	63	133706	47.664	ug/l	100
25) 2-Butanone	4.568	43	239851	239.342	ug/l	98
26) 2,2-Dichloropropane	4.477	77	97580	43.262	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	87543	48.304	ug/l	99
28) Bromochloromethane	4.897	49	58167	47.190	ug/l	95
29) Tetrahydrofuran	5.013	42	156731	246.475	ug/l	98
30) Chloroform	5.093	83	150578	47.927	ug/l	100
31) Cyclohexane	5.471	56	116844	46.340	ug/l	98
32) 1,1,1-Trichloroethane	5.385	97	135508	48.161	ug/l	98
36) 1,1-Dichloropropene	5.696	75	105509	45.715	ug/l	99
37) Ethyl Acetate	4.721	43	98093	48.716	ug/l	100
38) Carbon Tetrachloride	5.678	117	117985	46.082	ug/l	98
39) Methylcyclohexane	7.379	83	118034	44.823	ug/l	99
40) Benzene	6.038	78	304642	47.078	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	56181	49.586	ug/l	98
42) 1,2-Dichloroethane	6.086	62	118847	45.614	ug/l	99
43) Isopropyl Acetate	6.342	43	161646	48.541	ug/l	98
44) Trichloroethene	7.129	130	81694	44.990	ug/l	100
45) 1,2-Dichloropropane	7.428	63	76256	47.684	ug/l	99
46) Dibromomethane	7.580	93	56500	45.279	ug/l	99
47) Bromodichloromethane	7.824	83	113878	47.230	ug/l	100
48) Methyl methacrylate	7.696	41	81105	47.316	ug/l	96
49) 1,4-Dioxane	7.738	88	36298	1150.382	ug/l #	79
51) 4-Methyl-2-Pentanone	8.574	43	499456	243.061	ug/l	98
52) Toluene	8.720	92	197552	46.403	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	115202	44.635	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	125893	48.433	ug/l	92
55) 1,1,2-Trichloroethane	9.153	97	81513	47.028	ug/l	97
56) Ethyl methacrylate	9.116	69	121307	50.796	ug/l	94
57) 1,3-Dichloropropane	9.311	76	129896	46.422	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	272125	239.961	ug/l	99
59) 2-Hexanone	9.433	43	371340	244.631	ug/l	98
60) Dibromochloromethane	9.519	129	89798	48.120	ug/l	100
61) 1,2-Dibromoethane	9.610	107	86895	47.497	ug/l	98
64) Tetrachloroethene	9.275	164	70464	43.118	ug/l	97
65) Chlorobenzene	10.079	112	213275	46.335	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	81918	48.571	ug/l	99
67) Ethyl Benzene	10.195	91	392326	48.049	ug/l	99
68) m/p-Xylenes	10.305	106	306962	96.005	ug/l	98
69) o-Xylene	10.640	106	148135	47.883	ug/l	99
70) Styrene	10.653	104	247842	48.969	ug/l	99
71) Bromoform	10.799	173	64257	49.692	ug/l #	99
73) Isopropylbenzene	10.963	105	392280	47.620	ug/l	100
74) N-amyl acetate	10.842	43	142678	50.915	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	120642	48.523	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	108958m	49.908	ug/l	
77) Bromobenzene	11.201	156	95338	47.059	ug/l	99
78) n-propylbenzene	11.305	91	446246	47.380	ug/l	100
79) 2-Chlorotoluene	11.366	91	265650	46.440	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	331056	47.839	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	32477	48.354	ug/l	99
82) 4-Chlorotoluene	11.457	91	308186	45.974	ug/l	99
83) tert-Butylbenzene	11.713	119	331245	48.087	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	334510	48.478	ug/l	100
85) sec-Butylbenzene	11.890	105	394596	47.881	ug/l	100
86) p-Isopropyltoluene	12.012	119	331252	47.442	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	176095	46.342	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	174385	44.810	ug/l	99
89) n-Butylbenzene	12.335	91	276882	46.031	ug/l	99
90) Hexachloroethane	12.536	117	54860	47.824	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	172435	46.649	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	25623	51.653	ug/l	97
93) 1,2,4-Trichlorobenzene	13.591	180	105032	46.095	ug/l	99
94) Hexachlorobutadiene	13.725	225	42523	42.301	ug/l	99
95) Naphthalene	13.774	128	376388	51.061	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	107048	46.848	ug/l	99

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

