

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120722\
 Data File : VX033280.D
 Acq On : 07 Dec 2022 12:51
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX120722

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/08/2022
 Supervised By : Mahesh Dadoda 12/08/2022

Quant Time: Dec 08 01:41:57 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	5.550	168	162415	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	257660	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	237524	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	120258	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	48832	46.866	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	93.740%		
35) Dibromofluoromethane	5.385	113	55536	47.921	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.840%		
50) Toluene-d8	8.647	98	121350	50.054	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	100.100%		
62) 4-Bromofluorobenzene	11.079	95	97770	52.743	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	105.480%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	56389	49.702	ug/l	96
3) Chloromethane	1.295	50	59512	45.367	ug/l	96
4) Vinyl Chloride	1.374	62	69954	46.704	ug/l	99
5) Bromomethane	1.618	94	52357	47.632	ug/l	98
6) Chloroethane	1.691	64	53665	47.236	ug/l	96
7) Trichlorofluoromethane	1.886	101	136355	48.490	ug/l	99
8) Diethyl Ether	2.130	74	46097	45.386	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	74711	50.085	ug/l	99
10) Methyl Iodide	2.453	142	71219	43.593	ug/l	99
11) Tert butyl alcohol	3.002	59	67251	211.111	ug/l	100
12) 1,1-Dichloroethene	2.319	96	70587	47.939	ug/l	99
13) Acrolein	2.239	56	78806	228.098	ug/l	100
14) Allyl chloride	2.666	41	112896	48.012	ug/l	95
15) Acrylonitrile	3.062	53	179556	227.543	ug/l	100
16) Acetone	2.392	43	166939	216.519	ug/l	99
17) Carbon Disulfide	2.514	76	180946	47.881	ug/l	99
18) Methyl Acetate	2.703	43	102476	45.913	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	245794	48.192	ug/l	100
20) Methylene Chloride	2.788	84	78430	45.612	ug/l	93
21) trans-1,2-Dichloroethene	3.093	96	78497	48.735	ug/l	98
22) Diisopropyl ether	3.757	45	244025	48.438	ug/l	97
23) Vinyl Acetate	3.721	43	958390	245.096	ug/l	98
24) 1,1-Dichloroethane	3.605	63	139554	47.145	ug/l	99
25) 2-Butanone	4.556	43	257566	232.728	ug/l	99
26) 2,2-Dichloropropane	4.471	77	108371	49.784	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	93344	48.492	ug/l	97
28) Bromochloromethane	4.898	49	59423	47.956	ug/l	93
29) Tetrahydrofuran	5.001	42	167379	233.427	ug/l	98
30) Chloroform	5.093	83	156035	47.482	ug/l	98
31) Cyclohexane	5.471	56	125301	50.601	ug/l	91
32) 1,1,1-Trichloroethane	5.379	97	140838	49.812	ug/l	99
36) 1,1-Dichloropropene	5.690	75	112707	49.882	ug/l	100
37) Ethyl Acetate	4.709	43	101939	47.728	ug/l	100
38) Carbon Tetrachloride	5.678	117	125509	49.578	ug/l	97
39) Methylcyclohexane	7.379	83	134321	53.112	ug/l	99
40) Benzene	6.038	78	322242	48.914	ug/l	99

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41) Methacrylonitrile	4.916	41	57501	48.856	ug/l	97
42) 1,2-Dichloroethane	6.086	62	124620	47.637	ug/l	98
43) Isopropyl Acetate	6.336	43	167268	48.673	ug/l	97
44) Trichloroethene	7.123	130	90972	50.085	ug/l	99
45) 1,2-Dichloropropane	7.428	63	82041	48.695	ug/l	99
46) Dibromomethane	7.580	93	61420	47.855	ug/l	97
47) Bromodichloromethane	7.818	83	122743	49.061	ug/l	98
48) Methyl methacrylate	7.690	41	86058	48.521	ug/l	94
49) 1,4-Dioxane	7.696	88	39410	974.422	ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	533877	245.658	ug/l	97
52) Toluene	8.720	92	214134	50.273	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	126110	47.076	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	136491	51.268	ug/l	90
55) 1,1,2-Trichloroethane	9.153	97	87728	48.997	ug/l	99
56) Ethyl methacrylate	9.116	69	129329	51.302	ug/l	92
57) 1,3-Dichloropropane	9.305	76	142492	49.540	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	291627	252.823	ug/l	99
59) 2-Hexanone	9.427	43	399172	249.243	ug/l	96
60) Dibromochloromethane	9.519	129	101310	51.356	ug/l	99
61) 1,2-Dibromoethane	9.610	107	96259	50.543	ug/l	99
64) Tetrachloroethene	9.275	164	80126	49.334	ug/l	98
65) Chlorobenzene	10.080	112	237720	49.423	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	89447	49.209	ug/l	100
67) Ethyl Benzene	10.195	91	425565	50.786	ug/l	99
68) m/p-Xylenes	10.299	106	335122	102.791	ug/l	98
69) o-Xylene	10.640	106	163154	50.629	ug/l	97
70) Styrene	10.653	104	274901	52.086	ug/l	98
71) Bromoform	10.799	173	73003	50.740	ug/l #	100
73) Isopropylbenzene	10.964	105	431345	49.486	ug/l	99
74) N-amyl acetate	10.842	43	150450	50.590	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.213	83	130259	47.106	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	118011m	48.233	ug/l	
77) Bromobenzene	11.201	156	106101	48.205	ug/l	98
78) n-propylbenzene	11.305	91	494916	50.851	ug/l	99
79) 2-Chlorotoluene	11.366	91	292372	48.608	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	364334	50.214	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	37394	47.543	ug/l	97
82) 4-Chlorotoluene	11.457	91	339915	48.600	ug/l	98
83) tert-Butylbenzene	11.713	119	363888	50.294	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	360637	49.794	ug/l	99
85) sec-Butylbenzene	11.890	105	435925	51.640	ug/l	100
86) p-Isopropyltoluene	12.012	119	370603	50.922	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	197172	49.452	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	197406	48.472	ug/l	99
89) n-Butylbenzene	12.335	91	318727	53.470	ug/l	99
90) Hexachloroethane	12.536	117	61643	49.829	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	190001	47.664	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	28225	47.255	ug/l	96
93) 1,2,4-Trichlorobenzene	13.591	180	122405	50.844	ug/l	99
94) Hexachlorobutadiene	13.725	225	49918	51.780	ug/l	99
95) Naphthalene	13.774	128	406692	50.644	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	122061	50.061	ug/l	99

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

