

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111022\
 Data File : VX032743.D
 Acq On : 10 Nov 2022 20:56
 Operator : JC/MD
 Sample : N5558-04MSD 100X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 56BR-20221109MSD

Quant Time: Nov 11 00:39:29 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 08:28:06 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

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

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	103949	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	166374	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	154080	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	82261	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	75701	52.412	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.820%			
35) Dibromofluoromethane	5.385	113	61082	51.469	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.940%			
50) Toluene-d8	8.653	98	204846	49.640	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.280%			
62) 4-Bromofluorobenzene	11.079	95	85102	52.794	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.580%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	58046	48.416	ug/l	99
3) Chloromethane	1.294	50	46138	45.505	ug/l	98
4) Vinyl Chloride	1.374	62	54408	48.759	ug/l	98
5) Bromomethane	1.611	94	50160	56.250	ug/l	98
6) Chloroethane	1.685	64	44745	59.773	ug/l	99
7) Trichlorofluoromethane	1.886	101	107811	50.991	ug/l	97
8) Diethyl Ether	2.136	74	35464	51.759	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.331	101	57981	51.957	ug/l	98
10) Methyl Iodide	2.453	142	52549	42.630	ug/l	100
11) Tert butyl alcohol	2.977	59	53504	254.511	ug/l	100
12) 1,1-Dichloroethene	2.319	96	52436	50.300	ug/l	99
13) Acrolein	2.239	56	57347	273.255	ug/l	100
14) Allyl chloride	2.660	41	86879	52.281	ug/l	98
15) Acrylonitrile	3.062	53	150466	263.730	ug/l	100
16) Acetone	2.386	43	137076	261.121	ug/l	98
17) Carbon Disulfide	2.514	76	106194	42.768	ug/l	98
18) Methyl Acetate	2.703	43	103229	60.471	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	204412	55.790	ug/l	99
20) Methylene Chloride	2.788	84	60758	50.479	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	56126	49.462	ug/l	96
22) Diisopropyl ether	3.763	45	200833	55.874	ug/l	100
23) Vinyl Acetate	3.721	43	783538	269.814	ug/l	100
24) 1,1-Dichloroethane	3.611	63	111651	54.003	ug/l	100
25) 2-Butanone	4.562	43	214572	263.829	ug/l	97
26) 2,2-Dichloropropane	4.477	77	82207	50.020	ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	100327	76.491	ug/l	97
28) Bromochloromethane	4.904	49	34827	47.291	ug/l	99
29) Tetrahydrofuran	5.007	42	138242	266.562	ug/l	100
30) Chloroform	5.099	83	126682	55.840	ug/l	96
31) Cyclohexane	5.470	56	87792	50.131	ug/l	94
32) 1,1,1-Trichloroethane	5.385	97	113844	55.921	ug/l	100
36) 1,1-Dichloropropene	5.696	75	84818	51.323	ug/l	98
37) Ethyl Acetate	4.715	43	86303	50.170	ug/l	99
38) Carbon Tetrachloride	5.684	117	96517	52.656	ug/l	97
39) Methylcyclohexane	7.379	83	93298	47.715	ug/l	99
40) Benzene	6.044	78	245089	52.407	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	49906	56.949	ug/l	97
42) 1,2-Dichloroethane	6.086	62	105129	54.992	ug/l	99
43) Isopropyl Acetate	6.342	43	146061	55.300	ug/l	100
44) Trichloroethene	7.129	130	214077	162.609	ug/l	100
45) 1,2-Dichloropropane	7.434	63	64629	53.835	ug/l	99
46) Dibromomethane	7.586	93	49267	53.512	ug/l	100
47) Bromodichloromethane	7.824	83	96572	55.344	ug/l	100
48) Methyl methacrylate	7.696	41	73964	54.221	ug/l	100
49) 1,4-Dioxane	7.690	88	25366	975.749	ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	458240	275.441	ug/l	100
52) Toluene	8.720	92	163440	53.566	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	99528	55.903	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	104111	54.673	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	69852	54.360	ug/l	98
56) Ethyl methacrylate	9.116	69	105523	57.065	ug/l	99
57) 1,3-Dichloropropane	9.311	76	114220	55.043	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	239330	268.790	ug/l	99
59) 2-Hexanone	9.433	43	337835	273.672	ug/l	100
60) Dibromochloromethane	9.525	129	76760	54.691	ug/l	100
61) 1,2-Dibromoethane	9.610	107	73548	54.018	ug/l	99
64) Tetrachloroethene	9.275	164	58817	52.154	ug/l	97
65) Chlorobenzene	10.079	112	182313	52.822	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	71729	55.219	ug/l	99
67) Ethyl Benzene	10.195	91	327867	53.121	ug/l	99
68) m/p-Xylenes	10.305	106	251590	104.976	ug/l	99
69) o-Xylene	10.640	106	125069	53.673	ug/l	100
70) Styrene	10.659	104	212017	54.748	ug/l	100
71) Bromoform	10.799	173	54924	53.478	ug/l #	100
73) Isopropylbenzene	10.963	105	338557	51.938	ug/l	100
74) N-amyl acetate	10.841	43	133766	54.311	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.213	83	107121	51.197	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	98010m	53.554	ug/l	
77) Bromobenzene	11.201	156	82676	51.735	ug/l	97
78) n-propylbenzene	11.305	91	387362	51.578	ug/l	100
79) 2-Chlorotoluene	11.366	91	234015	52.030	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	289646	51.991	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	28917	50.278	ug/l	99
82) 4-Chlorotoluene	11.457	91	275410	52.330	ug/l	100
83) tert-Butylbenzene	11.713	119	289941	52.129	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	289195	52.191	ug/l	100
85) sec-Butylbenzene	11.890	105	345092	51.563	ug/l	100
86) p-Isopropyltoluene	12.012	119	295240	51.989	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	155846	51.698	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	156784	50.133	ug/l	99
89) n-Butylbenzene	12.335	91	248376	50.273	ug/l	99
90) Hexachloroethane	12.542	117	47780	51.510	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	154139	51.857	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	23279	50.743	ug/l	96
93) 1,2,4-Trichlorobenzene	13.591	180	95961	49.513	ug/l	98
94) Hexachlorobutadiene	13.725	225	38709	47.823	ug/l	98
95) Naphthalene	13.774	128	324421	50.236	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	95515	48.482	ug/l	99

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

