

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112123\
 Data File : VX038996.D
 Acq On : 21 Nov 2023 19:39
 Operator : JC/MD
 Sample : 05431-04MSD 100X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 15BR-20231113MSD

Quant Time: Nov 22 03:25:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111623W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 16 22:59:22 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/22/2023
 Supervised By : Mahesh Dadoda 11/22/2023

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	114889	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	213037	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	200706	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	103365	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	96464	52.107	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.220%			
35) Dibromofluoromethane	5.385	113	76066	49.438	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.880%			
50) Toluene-d8	8.647	98	283767	48.204	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 96.400%			
62) 4-Bromofluorobenzene	11.079	95	114956	48.782	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 97.560%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	64009	47.749	ug/l	99
3) Chloromethane	1.294	50	70006	40.011	ug/l	97
4) Vinyl Chloride	1.374	62	76058	45.127	ug/l	99
5) Bromomethane	1.599	94	47265	67.827	ug/l	98
6) Chloroethane	1.685	64	44899	46.681	ug/l	98
7) Trichlorofluoromethane	1.886	101	104370	48.800	ug/l	99
8) Diethyl Ether	2.130	74	43312	46.496	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.331	101	61775	43.554	ug/l	94
10) Methyl Iodide	2.453	142	70261	40.700	ug/l	93
11) Tert butyl alcohol	2.953	59	123246	239.363	ug/l #	93
12) 1,1-Dichloroethene	2.319	96	61524	42.965	ug/l	95
13) Acrolein	2.233	56	63611	233.511	ug/l	97
14) Allyl chloride	2.666	41	125877	43.906	ug/l	97
15) Acrylonitrile	3.062	53	250525	230.269	ug/l	98
16) Acetone	2.373	43	218799	222.019	ug/l	92
17) Carbon Disulfide	2.508	76	163010	36.750	ug/l	98
18) Methyl Acetate	2.697	43	235288	50.264	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	243808	48.408	ug/l	97
20) Methylene Chloride	2.788	84	75872	42.708	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	68723	43.495	ug/l	96
22) Diisopropyl ether	3.757	45	252367	47.983	ug/l	90
23) Vinyl Acetate	3.721	43	884841	233.596	ug/l	100
24) 1,1-Dichloroethane	3.605	63	136803	46.513	ug/l	99
25) 2-Butanone	4.550	43	364910	228.337	ug/l	96
26) 2,2-Dichloropropane	4.471	77	114235	44.776	ug/l	93
27) cis-1,2-Dichloroethene	4.489	96	126475	68.673	ug/l	92
28) Bromochloromethane	4.897	49	72646	51.445	ug/l	99
29) Tetrahydrofuran	4.995	42	241351	237.851	ug/l	98
30) Chloroform	5.092	83	138748	48.311	ug/l	97
31) Cyclohexane	5.470	56	111896	42.335	ug/l	98
32) 1,1,1-Trichloroethane	5.385	97	120870	48.589	ug/l	100
36) 1,1-Dichloropropene	5.690	75	99326	45.042	ug/l	98
37) Ethyl Acetate	4.708	43	134509	46.818	ug/l	98
38) Carbon Tetrachloride	5.678	117	101770	49.934	ug/l	95
39) Methylcyclohexane	7.379	83	116600	40.537	ug/l	95
40) Benzene	6.037	78	297673	45.640	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	73601	49.394	ug/l	95
42) 1,2-Dichloroethane	6.086	62	110921	51.330	ug/l	99
43) Isopropyl Acetate	6.336	43	218102	47.501	ug/l	99
44) Trichloroethene	7.123	130	129360	81.483	ug/l	97
45) 1,2-Dichloropropane	7.427	63	82341	46.913	ug/l	97
46) Dibromomethane	7.580	93	56965	48.668	ug/l	97
47) Bromodichloromethane	7.824	83	111501	47.996	ug/l	97
48) Methyl methacrylate	7.690	41	103250	46.347	ug/l	94
49) 1,4-Dioxane	7.659	88	38835	901.074	ug/l #	99
51) 4-Methyl-2-Pentanone	8.574	43	720740	245.633	ug/l	100
52) Toluene	8.720	92	187958	46.439	ug/l	95
53) t-1,3-Dichloropropene	8.976	75	127804	46.293	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	133339	46.757	ug/l	92
55) 1,1,2-Trichloroethane	9.153	97	80148	47.459	ug/l	96
56) Ethyl methacrylate	9.116	69	135437	47.399	ug/l	96
57) 1,3-Dichloropropane	9.305	76	133977	47.969	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	312036	234.422	ug/l	96
59) 2-Hexanone	9.427	43	563739	239.700	ug/l	99
60) Dibromochloromethane	9.519	129	83005	48.339	ug/l	97
61) 1,2-Dibromoethane	9.610	107	85112	48.028	ug/l	99
64) Tetrachloroethene	9.275	164	57557	46.136	ug/l	96
65) Chlorobenzene	10.079	112	200410	46.354	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	74638	47.992	ug/l	98
67) Ethyl Benzene	10.195	91	372832	46.937	ug/l	98
68) m/p-Xylenes	10.299	106	279229	92.929	ug/l	99
69) o-Xylene	10.640	106	137988	46.411	ug/l	99
70) Styrene	10.652	104	233069	46.417	ug/l	99
71) Bromoform	10.799	173	61575	47.494	ug/l #	100
73) Isopropylbenzene	10.963	105	362566	45.019	ug/l	99
74) N-amyl acetate	10.841	43	188597	44.300	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	139957	44.518	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	118642m	46.004	ug/l	
77) Bromobenzene	11.195	156	81100	44.816	ug/l	97
78) n-propylbenzene	11.305	91	441673	44.554	ug/l	98
79) 2-Chlorotoluene	11.366	91	259819	44.164	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	308263	45.523	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	46114	39.662	ug/l	85
82) 4-Chlorotoluene	11.451	91	304873	44.944	ug/l	100
83) tert-Butylbenzene	11.713	119	301506	45.209	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	310334	45.278	ug/l	100
85) sec-Butylbenzene	11.890	105	393242	45.079	ug/l	99
86) p-Isopropyltoluene	12.006	119	316240	45.159	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	160641	45.332	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	162545	44.816	ug/l	99
89) n-Butylbenzene	12.329	91	310673	43.972	ug/l	96
90) Hexachloroethane	12.536	117	60569	43.312	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	157697	46.919	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	35119	45.594	ug/l	94
93) 1,2,4-Trichlorobenzene	13.585	180	101444	45.040	ug/l	98
94) Hexachlorobutadiene	13.725	225	35478	44.481	ug/l	98
95) Naphthalene	13.774	128	379555	45.247	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	99053	46.393	ug/l	99

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

