

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081623\
 Data File : VX037030.D
 Acq On : 16 Aug 2023 20:36
 Operator : JC/MD
 Sample : 04024-13MSD
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE114D1-20230815MSD

Quant Time: Aug 17 04:20:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072123W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 21 12:14:12 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 08/17/2023
 Supervised By : Mahesh Dadoda 08/17/2023

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

Internal Standards						
1) Pentafluorobenzene	5.549	168	106373	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	191553	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	175420	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	87279	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	87588	55.649	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 111.300%			
35) Dibromofluoromethane	5.385	113	73712	55.985	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 111.980%			
50) Toluene-d8	8.646	98	232822	49.865	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.720%			
62) 4-Bromofluorobenzene	11.079	95	96817	54.961	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 109.920%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	70093	49.880	ug/l	100
3) Chloromethane	1.300	50	64108	50.159	ug/l	98
4) Vinyl Chloride	1.373	62	69882	53.703	ug/l	97
5) Bromomethane	1.599	94	41039	52.825	ug/l	96
6) Chloroethane	1.672	64	39814	62.932	ug/l	98
7) Trichlorofluoromethane	1.879	101	118457	58.948	ug/l	100
8) Diethyl Ether	2.135	74	51752	66.566	ug/l	78
9) 1,1,2-Trichlorotrifluo...	2.324	101	95756	79.313	ug/l	97
10) Methyl Iodide	2.446	142	88516	70.588	ug/l	95
11) Tert butyl alcohol	2.971	59	136846	367.251	ug/l #	92
12) 1,1-Dichloroethene	2.318	96	71563	60.081	ug/l	85
13) Acrolein	2.239	56	58138	273.391	ug/l	98
14) Allyl chloride	2.660	41	112728	48.062	ug/l #	95
15) Acrylonitrile	3.062	53	237347	316.733	ug/l	99
16) Acetone	2.379	43	217226	332.594	ug/l	93
17) Carbon Disulfide	2.507	76	146409	44.536	ug/l	98
18) Methyl Acetate	2.702	43	149638	54.462	ug/l #	89
19) Methyl tert-butyl Ether	3.117	73	297480	66.461	ug/l	97
20) Methylene Chloride	2.788	84	83590	57.548	ug/l #	88
21) trans-1,2-Dichloroethene	3.086	96	78759	59.163	ug/l	90
22) Diisopropyl ether	3.763	45	248390	55.776	ug/l #	81
23) Vinyl Acetate	3.721	43	844813	247.305	ug/l #	92
24) 1,1-Dichloroethane	3.611	63	152423	61.046	ug/l	97
25) 2-Butanone	4.556	43	333908	315.108	ug/l #	88
26) 2,2-Dichloropropane	4.476	77	92884	39.480	ug/l	96
27) cis-1,2-Dichloroethene	4.483	96	105992	67.034	ug/l	87
28) Bromochloromethane	4.897	49	62092	51.419	ug/l #	81
29) Tetrahydrofuran	5.007	42	209189	306.197	ug/l #	84
30) Chloroform	5.092	83	175352	68.645	ug/l	97
31) Cyclohexane	5.470	56	94430	43.331	ug/l	88
32) 1,1,1-Trichloroethane	5.379	97	146133	62.433	ug/l	97
36) 1,1-Dichloropropene	5.690	75	105816	53.921	ug/l	97
37) Ethyl Acetate	4.714	43	113182	50.956	ug/l #	94
38) Carbon Tetrachloride	5.677	117	125644	60.222	ug/l	100
39) Methylcyclohexane	7.378	83	94376	38.676	ug/l	92
40) Benzene	6.037	78	333822	58.467	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.915	41	69518	58.518	ug/l	91
42) 1,2-Dichloroethane	6.086	62	138109	66.159	ug/l	96
43) Isopropyl Acetate	6.342	43	195358	51.095	ug/l #	93
44) Trichloroethene	7.122	130	777760	521.140	ug/l	99
45) 1,2-Dichloropropane	7.427	63	85705	56.222	ug/l	99
46) Dibromomethane	7.580	93	68015	63.751	ug/l	95
47) Bromodichloromethane	7.823	83	134685	61.502	ug/l	96
48) Methyl methacrylate	7.695	41	99019	55.687	ug/l #	86
49) 1,4-Dioxane	7.659	88	54987	1530.777	ug/l #	88
51) 4-Methyl-2-Pentanone	8.573	43	631645	298.527	ug/l	92
52) Toluene	8.720	92	217250	60.726	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	137314	55.477	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	142912	54.717	ug/l #	89
55) 1,1,2-Trichloroethane	9.152	97	97384	64.756	ug/l	97
56) Ethyl methacrylate	9.116	69	149920	61.221	ug/l	89
57) 1,3-Dichloropropane	9.311	76	160168	63.945	ug/l	99
59) 2-Hexanone	9.433	43	482368	307.177	ug/l	90
60) Dibromochloromethane	9.524	129	105803	64.010	ug/l	100
61) 1,2-Dibromoethane	9.610	107	100982	64.790	ug/l	100
64) Tetrachloroethene	9.274	164	74194	56.705	ug/l	98
65) Chlorobenzene	10.079	112	237913	61.528	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.164	131	95396	63.829	ug/l	99
67) Ethyl Benzene	10.195	91	410740	58.147	ug/l	100
68) m/p-Xylenes	10.299	106	313730	119.036	ug/l	99
69) o-Xylene	10.640	106	157472	59.858	ug/l	100
70) Styrene	10.652	104	267946	61.732	ug/l	98
71) Bromoform	10.799	173	75112	62.085	ug/l #	100
73) Isopropylbenzene	10.963	105	390610	54.078	ug/l	99
74) N-amyl acetate	10.841	43	150381	44.646	ug/l	91
75) 1,1,2,2-Tetrachloroethane	11.213	83	142947	58.594	ug/l	99
76) 1,2,3-Trichloropropane	11.237	75	121029m	58.955	ug/l	
77) Bromobenzene	11.195	156	98941	60.148	ug/l	94
78) n-propylbenzene	11.305	91	430676	51.556	ug/l	99
79) 2-Chlorotoluene	11.365	91	282780	55.864	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	329938	54.601	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	41075	45.350	ug/l	89
82) 4-Chlorotoluene	11.457	91	327401	56.766	ug/l	98
83) tert-Butylbenzene	11.713	119	312553	52.651	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	333790	55.234	ug/l	98
85) sec-Butylbenzene	11.890	105	356160	48.109	ug/l	99
86) p-Isopropyltoluene	12.006	119	306028	50.238	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	178353	58.541	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	183883	60.817	ug/l	99
89) n-Butylbenzene	12.329	91	245277	44.979	ug/l	99
90) Hexachloroethane	12.536	117	55669	45.078	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	180734	61.474	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.938	75	35380	62.408	ug/l	85
93) 1,2,4-Trichlorobenzene	13.585	180	102246	56.448	ug/l	97
94) Hexachlorobutadiene	13.725	225	35883	47.885	ug/l	98
95) Naphthalene	13.774	128	404616	64.102	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	102831	57.600	ug/l	98

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

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