

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121323\
 Data File : VX039181.D
 Acq On : 13 Dec 2023 10:35
 Operator : JC/MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/14/2023
 Supervised By : Mahesh Dadoda 12/14/2023

Quant Time: Dec 14 01:09:18 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121323W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 14 01:05:14 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	131835	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	242895	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	222013	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	107364	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	13069	5.411	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	10.820%#		
35) Dibromofluoromethane	5.385	113	8788	5.237	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.480%#		
50) Toluene-d8	8.647	98	33381	5.358	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	10.720%#		
62) 4-Bromofluorobenzene	11.079	95	13480	5.244	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	10.480%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	8525	4.602	ug/l	99
3) Chloromethane	1.294	50	9758	4.751	ug/l	97
4) Vinyl Chloride	1.374	62	9522	4.985	ug/l	96
5) Bromomethane	1.599	94	6053	5.508	ug/l	99
6) Chloroethane	1.685	64	5742	4.989	ug/l	98
7) Trichlorofluoromethane	1.886	101	13576	4.854	ug/l	99
8) Diethyl Ether	2.130	74	4830	4.990	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.325	101	8438	4.944	ug/l	96
10) Methyl Iodide	2.453	142	7980	4.523	ug/l	95
11) Tert butyl alcohol	2.953	59	16703	27.541	ug/l #	95
12) 1,1-Dichloroethene	2.319	96	8419	4.966	ug/l	94
13) Acrolein	2.233	56	11875	24.544	ug/l	98
14) Allyl chloride	2.666	41	16610	4.836	ug/l	99
15) Acrylonitrile	3.062	53	30440	25.075	ug/l	98
16) Acetone	2.373	43	53551	16.308	ug/l	95
17) Carbon Disulfide	2.514	76	23333	4.703	ug/l	99
18) Methyl Acetate	2.703	43	25422	4.867	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	29741	4.851	ug/l	96
20) Methylene Chloride	2.794	84	9951	4.943	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	9164	4.968	ug/l #	91
22) Diisopropyl ether	3.757	45	31789	5.085	ug/l	94
23) Vinyl Acetate	3.721	43	117022	25.143	ug/l	99
24) 1,1-Dichloroethane	3.605	63	17487	4.948	ug/l	99
25) 2-Butanone	4.556	43	56871	27.288	ug/l	99
26) 2,2-Dichloropropane	4.471	77	15270	4.949	ug/l	99
27) cis-1,2-Dichloroethene	4.495	96	10412	5.114	ug/l	98
28) Bromochloromethane	4.903	49	8050	4.668	ug/l #	92
29) Tetrahydrofuran	5.007	42	28499	24.762	ug/l	99
30) Chloroform	5.092	83	17404	4.928	ug/l	98
31) Cyclohexane	5.477	56	15345	4.919	ug/l	93
32) 1,1,1-Trichloroethane	5.379	97	14956	4.878	ug/l	99
36) 1,1-Dichloropropene	5.696	75	13200	4.985	ug/l	99
37) Ethyl Acetate	4.714	43	15861	4.848	ug/l	99
38) Carbon Tetrachloride	5.678	117	11783	4.663	ug/l	93
39) Methylcyclohexane	7.379	83	15590	4.901	ug/l	94
40) Benzene	6.037	78	37709	5.034	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	8092	4.636	ug/l	92
42) 1,2-Dichloroethane	6.086	62	14518	4.788	ug/l	99
43) Isopropyl Acetate	6.342	43	26009	4.889	ug/l	99
44) Trichloroethene	7.129	130	9331	4.936	ug/l	96
45) 1,2-Dichloropropane	7.427	63	10231	5.089	ug/l	99
46) Dibromomethane	7.580	93	6773	4.793	ug/l	97
47) Bromodichloromethane	7.818	83	13030	4.822	ug/l	97
48) Methyl methacrylate	7.696	41	15411	4.955	ug/l	99
49) 1,4-Dioxane	7.659	88	3862	92.122	ug/l #	91
51) 4-Methyl-2-Pentanone	8.574	43	85170	25.127	ug/l	97
52) Toluene	8.720	92	22339	4.941	ug/l	91
53) t-1,3-Dichloropropene	8.976	75	13470	4.528	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	14840	4.636	ug/l	94
55) 1,1,2-Trichloroethane	9.153	97	9423	4.992	ug/l	92
56) Ethyl methacrylate	9.116	69	11039	4.791	ug/l	94
57) 1,3-Dichloropropane	9.305	76	16025	4.911	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	33932	25.080	ug/l	93
59) 2-Hexanone	9.427	43	78671	26.893	ug/l	99
60) Dibromochloromethane	9.518	129	8692	4.554	ug/l	97
61) 1,2-Dibromoethane	9.610	107	9764	4.846	ug/l	99
64) Tetrachloroethene	9.275	164	7586	5.229	ug/l	93
65) Chlorobenzene	10.079	112	24051	4.963	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.159	131	8109	4.737	ug/l	96
67) Ethyl Benzene	10.195	91	44969	4.985	ug/l	99
68) m/p-Xylenes	10.299	106	32231	9.966	ug/l	93
69) o-Xylene	10.640	106	15546	4.972	ug/l	90
70) Styrene	10.659	104	22946	5.019	ug/l	97
71) Bromoform	10.799	173	5769	4.534	ug/l #	99
73) Isopropylbenzene	10.963	105	41342	4.991	ug/l	98
74) N-amyl acetate	10.841	43	19348	4.616	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	15768	5.117	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	13981m	5.033	ug/l	
77) Bromobenzene	11.195	156	9365	5.113	ug/l	91
78) n-propylbenzene	11.305	91	51163	5.013	ug/l	95
79) 2-Chlorotoluene	11.360	91	30768	4.984	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	36080	5.113	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.018	75	3875	3.935	ug/l	97
82) 4-Chlorotoluene	11.451	91	37183	5.128	ug/l	96
83) tert-Butylbenzene	11.713	119	33392	4.972	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	36123	4.992	ug/l	97
85) sec-Butylbenzene	11.890	105	42299	4.950	ug/l	97
86) p-Isopropyltoluene	12.006	119	34873	4.862	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	18104	5.031	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	18598	4.963	ug/l	92
89) n-Butylbenzene	12.335	91	34478	4.890	ug/l	95
90) Hexachloroethane	12.536	117	5285	4.079	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	17970	5.219	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	3878	4.778	ug/l	90
93) 1,2,4-Trichlorobenzene	13.585	180	10778	4.780	ug/l	99
94) Hexachlorobutadiene	13.725	225	4385	5.161	ug/l	95
95) Naphthalene	13.774	128	37692	4.800	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	10887	5.002	ug/l	98

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

