

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022423\
 Data File : VX034259.D
 Acq On : 24 Feb 2023 12:28
 Operator : JC/MD
 Sample : VX0224WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0224WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/27/2023
 Supervised By : Mahesh Dadoda 02/27/2023

Quant Time: Feb 24 22:20:49 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 17 12:33:35 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	293706	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	473104	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	420088	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	213088	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	184909	46.747	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 93.500%			
35) Dibromofluoromethane	5.385	113	157333	51.076	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.160%			
50) Toluene-d8	8.647	98	586431	53.025	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 106.040%			
62) 4-Bromofluorobenzene	11.079	95	217692	51.460	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 102.920%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	48846	19.246	ug/l	95
3) Chloromethane	1.300	50	68628	18.791	ug/l	98
4) Vinyl Chloride	1.373	62	71120	21.382	ug/l	98
5) Bromomethane	1.605	94	42958	31.657	ug/l	100
6) Chloroethane	1.684	64	40417	24.171	ug/l	100
7) Trichlorofluoromethane	1.886	101	106064	23.570	ug/l	97
8) Diethyl Ether	2.136	74	40942	22.584	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	58403	18.429	ug/l	95
10) Methyl Iodide	2.453	142	65381	16.945	ug/l	94
11) Tert butyl alcohol	2.952	59	81730	92.381	ug/l #	86
12) 1,1-Dichloroethene	2.318	96	57678	18.156	ug/l	93
13) Acrolein	2.233	56	36353	90.016	ug/l	100
14) Allyl chloride	2.666	41	111866	16.601	ug/l	91
15) Acrylonitrile	3.062	53	181496	94.039	ug/l	100
16) Acetone	2.373	43	161234	79.019	ug/l	91
17) Carbon Disulfide	2.514	76	149470	16.365	ug/l	98
18) Methyl Acetate	2.703	43	119507	18.928	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	210922	18.812	ug/l	98
20) Methylene Chloride	2.788	84	66461	18.077	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	61363	18.434	ug/l	98
22) Diisopropyl ether	3.757	45	230589	19.519	ug/l	100
23) Vinyl Acetate	3.721	43	893323	94.381	ug/l	100
24) 1,1-Dichloroethane	3.611	63	117735	18.153	ug/l	98
25) 2-Butanone	4.550	43	260607	88.271	ug/l	98
26) 2,2-Dichloropropane	4.470	77	101029	17.196	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	73515	18.650	ug/l	95
28) Bromochloromethane	4.897	49	52238	18.056	ug/l	91
29) Tetrahydrofuran	5.001	42	169801	94.278	ug/l	98
30) Chloroform	5.086	83	116541	18.713	ug/l	96
31) Cyclohexane	5.470	56	105256	17.823	ug/l	98
32) 1,1,1-Trichloroethane	5.379	97	102078	18.285	ug/l	99
36) 1,1-Dichloropropene	5.690	75	86349	18.955	ug/l	99
37) Ethyl Acetate	4.714	43	101097	19.857	ug/l	99
38) Carbon Tetrachloride	5.671	117	88537	18.887	ug/l	99
39) Methylcyclohexane	7.378	83	109994	18.762	ug/l	99
40) Benzene	6.037	78	262578	19.450	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	54733	19.295	ug/l	97
42) 1,2-Dichloroethane	6.086	62	90860	19.136	ug/l	100
43) Isopropyl Acetate	6.336	43	171297	19.066	ug/l	99
44) Trichloroethene	7.122	130	68696	19.829	ug/l	92
45) 1,2-Dichloropropane	7.427	63	70126	19.513	ug/l	99
46) Dibromomethane	7.580	93	46980	19.863	ug/l	88
47) Bromodichloromethane	7.817	83	92394	19.035	ug/l	99
48) Methyl methacrylate	7.689	41	79558	18.657	ug/l	97
49) 1,4-Dioxane	7.659	88	36947	434.384	ug/l #	95
51) 4-Methyl-2-Pentanone	8.573	43	519049	105.006	ug/l	98
52) Toluene	8.720	92	166719	20.381	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	103805	18.579	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	110957	18.550	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	68449	20.730	ug/l	99
56) Ethyl methacrylate	9.116	69	108198	19.371	ug/l	97
57) 1,3-Dichloropropane	9.305	76	116025	20.197	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	239998	99.187	ug/l	97
59) 2-Hexanone	9.427	43	383903	101.909	ug/l	99
60) Dibromochloromethane	9.518	129	72878	19.976	ug/l	98
61) 1,2-Dibromoethane	9.610	107	69664	19.949	ug/l	97
64) Tetrachloroethene	9.274	164	59101	19.934	ug/l	97
65) Chlorobenzene	10.079	112	177965	20.323	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.158	131	66785	19.701	ug/l	99
67) Ethyl Benzene	10.195	91	311578	19.806	ug/l	99
68) m/p-Xylenes	10.299	106	246968	41.022	ug/l	98
69) o-Xylene	10.640	106	121743	20.312	ug/l	97
70) Styrene	10.652	104	198786	20.393	ug/l	97
71) Bromoform	10.799	173	53000	19.154	ug/l #	98
73) Isopropylbenzene	10.963	105	315164	19.407	ug/l	100
74) N-amyl acetate	10.841	43	149160	18.282	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.213	83	105415	18.978	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	84865m	15.827	ug/l	
77) Bromobenzene	11.201	156	76457	19.564	ug/l	90
78) n-propylbenzene	11.305	91	365753	19.365	ug/l	98
79) 2-Chlorotoluene	11.366	91	219947	18.991	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	262596	19.232	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	34359	16.462	ug/l	94
82) 4-Chlorotoluene	11.457	91	248236	18.819	ug/l	99
83) tert-Butylbenzene	11.713	119	264466	18.912	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	264251	19.141	ug/l	98
85) sec-Butylbenzene	11.890	105	326938	19.252	ug/l	98
86) p-Isopropyltoluene	12.012	119	273435	19.456	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	144231	19.678	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	145322	19.657	ug/l	97
89) n-Butylbenzene	12.329	91	240299	19.197	ug/l	98
90) Hexachloroethane	12.536	117	51416	17.498	ug/l	84
91) 1,2-Dichlorobenzene	12.335	146	141466	19.727	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	21049	15.891	ug/l	85
93) 1,2,4-Trichlorobenzene	13.585	180	89965	19.541	ug/l	99
94) Hexachlorobutadiene	13.725	225	38057	19.940	ug/l	98
95) Naphthalene	13.774	128	297780	19.200	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	90225	19.739	ug/l	97

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

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