

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030823\
 Data File : VX034381.D
 Acq On : 08 Mar 2023 14:00
 Operator : JC/MD
 Sample : VX0308WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0308WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/09/2023
 Supervised By : Mahesh Dadoda 03/09/2023

Quant Time: Mar 09 03:58:25 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	210239	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	353626	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	316066	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	154958	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	145524	51.396	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.800%			
35) Dibromofluoromethane	5.385	113	115548	50.185	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.360%			
50) Toluene-d8	8.647	98	399469	48.323	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 96.640%			
62) 4-Bromofluorobenzene	11.079	95	156711	49.561	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.120%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	31952	17.588	ug/l	98
3) Chloromethane	1.300	50	46289	17.706	ug/l	97
4) Vinyl Chloride	1.374	62	45175	18.974	ug/l	99
5) Bromomethane	1.605	94	29335	29.851	ug/l	100
6) Chloroethane	1.684	64	27028	22.581	ug/l	97
7) Trichlorofluoromethane	1.886	101	71241	22.117	ug/l	98
8) Diethyl Ether	2.130	74	29900	23.041	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.331	101	41220	18.171	ug/l	94
10) Methyl Iodide	2.453	142	49674	17.985	ug/l	95
11) Tert butyl alcohol	2.953	59	69013	108.976	ug/l #	85
12) 1,1-Dichloroethene	2.319	96	40609	17.858	ug/l	96
13) Acrolein	2.233	56	28847	99.788	ug/l	99
14) Allyl chloride	2.666	41	84409	17.499	ug/l	90
15) Acrylonitrile	3.062	53	147815	106.994	ug/l	99
16) Acetone	2.379	43	128990	88.314	ug/l	92
17) Carbon Disulfide	2.514	76	102437	15.668	ug/l	100
18) Methyl Acetate	2.703	43	100705	22.283	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	171309	21.345	ug/l	97
20) Methylene Chloride	2.788	84	51438	19.546	ug/l	94
21) trans-1,2-Dichloroethene	3.093	96	44684	18.753	ug/l	97
22) Diisopropyl ether	3.757	45	180726	21.371	ug/l	96
23) Vinyl Acetate	3.721	43	722177	106.591	ug/l	100
24) 1,1-Dichloroethane	3.611	63	87392	18.825	ug/l	97
25) 2-Butanone	4.556	43	212983	100.780	ug/l	100
26) 2,2-Dichloropropane	4.471	77	71652	17.037	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	55862	19.798	ug/l	97
28) Bromochloromethane	4.897	49	46673	22.537	ug/l	87
29) Tetrahydrofuran	5.001	42	139808	108.443	ug/l	98
30) Chloroform	5.086	83	89141	19.996	ug/l	98
31) Cyclohexane	5.464	56	75329	17.820	ug/l	94
32) 1,1,1-Trichloroethane	5.379	97	74338	18.602	ug/l	99
36) 1,1-Dichloropropene	5.684	75	62548	18.369	ug/l	97
37) Ethyl Acetate	4.714	43	81461	21.406	ug/l	99
38) Carbon Tetrachloride	5.678	117	60785	17.348	ug/l	98
39) Methylcyclohexane	7.379	83	75014	17.119	ug/l	98
40) Benzene	6.037	78	195359	19.360	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	45873	21.635	ug/l	99
42) 1,2-Dichloroethane	6.086	62	75015	21.137	ug/l	98
43) Isopropyl Acetate	6.336	43	138987	20.697	ug/l	99
44) Trichloroethene	7.123	130	49754	19.213	ug/l	91
45) 1,2-Dichloropropane	7.433	63	53544	19.932	ug/l	97
46) Dibromomethane	7.580	93	36606	20.706	ug/l	88
47) Bromodichloromethane	7.824	83	69545	19.168	ug/l	98
48) Methyl methacrylate	7.689	41	65963	20.695	ug/l	97
49) 1,4-Dioxane	7.659	88	29698	467.126	ug/l #	98
51) 4-Methyl-2-Pentanone	8.573	43	427529	115.714	ug/l	97
52) Toluene	8.720	92	120289	19.673	ug/l	97
53) t-1,3-Dichloropropene	8.976	75	78611	18.824	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	83225	18.615	ug/l	95
55) 1,1,2-Trichloroethane	9.153	97	54261	21.986	ug/l	97
56) Ethyl methacrylate	9.116	69	85622	20.508	ug/l	94
57) 1,3-Dichloropropane	9.305	76	93135	21.690	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	203982	112.785	ug/l	95
59) 2-Hexanone	9.427	43	319379	113.426	ug/l	98
60) Dibromochloromethane	9.518	129	53465	19.606	ug/l	100
61) 1,2-Dibromoethane	9.610	107	55159	21.133	ug/l	99
64) Tetrachloroethene	9.275	164	40728	18.258	ug/l	92
65) Chlorobenzene	10.079	112	131211	19.915	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	49010	19.216	ug/l	96
67) Ethyl Benzene	10.195	91	229383	19.380	ug/l	98
68) m/p-Xylenes	10.299	106	177615	39.212	ug/l	95
69) o-Xylene	10.640	106	88000	19.515	ug/l	93
70) Styrene	10.658	104	143934	19.625	ug/l	97
71) Bromoform	10.799	173	37479	18.002	ug/l #	100
73) Isopropylbenzene	10.963	105	225339	19.081	ug/l	99
74) N-amyl acetate	10.841	43	118519	19.976	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.213	83	83044	20.559	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	68461m	17.558	ug/l	
77) Bromobenzene	11.201	156	55033	19.364	ug/l	85
78) n-propylbenzene	11.305	91	258841	18.845	ug/l	97
79) 2-Chlorotoluene	11.366	91	158175	18.781	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	188224	18.957	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.018	75	24665	16.250	ug/l	98
82) 4-Chlorotoluene	11.451	91	183179	19.096	ug/l	96
83) tert-Butylbenzene	11.713	119	194069	19.084	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	189805	18.906	ug/l	97
85) sec-Butylbenzene	11.890	105	230927	18.700	ug/l	98
86) p-Isopropyltoluene	12.012	119	189267	18.519	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	102161	19.167	ug/l	97
88) 1,4-Dichlorobenzene	12.042	146	102455	19.058	ug/l	96
89) n-Butylbenzene	12.335	91	164615	18.084	ug/l	98
90) Hexachloroethane	12.536	117	34031	15.926	ug/l	80
91) 1,2-Dichlorobenzene	12.335	146	102774	19.708	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.945	75	16538	17.170	ug/l	77
93) 1,2,4-Trichlorobenzene	13.585	180	60353	18.026	ug/l	97
94) Hexachlorobutadiene	13.725	225	24537	17.679	ug/l	99
95) Naphthalene	13.774	128	217545	19.288	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	61770	18.584	ug/l	98

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

