

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012723\
 Data File : VX033926.D
 Acq On : 27 Jan 2023 10:42
 Operator : JC/MD
 Sample : VX0127WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0127WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/30/2023
 Supervised By : Semsettin Yesilyurt 01/30/2023

Quant Time: Jan 28 03:01:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011123W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 11 14:48:42 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	170495	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	236524	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	213680	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	113012	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	81257	45.265	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 90.520%			
35) Dibromofluoromethane	5.385	113	76286	51.942	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.880%			
50) Toluene-d8	8.647	98	270890	50.622	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.240%			
62) 4-Bromofluorobenzene	11.079	95	99311	49.985	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.980%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	22936	17.023	ug/l	97
3) Chloromethane	1.294	50	27581	18.530	ug/l	99
4) Vinyl Chloride	1.374	62	27719	19.192	ug/l	97
5) Bromomethane	1.611	94	14713	17.730	ug/l	99
6) Chloroethane	1.691	64	17562	19.668	ug/l	98
7) Trichlorofluoromethane	1.892	101	42372	18.090	ug/l	96
8) Diethyl Ether	2.130	74	16647	21.706	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.331	101	28031	21.187	ug/l	93
10) Methyl Iodide	2.453	142	37428	19.764	ug/l	92
11) Tert butyl alcohol	2.965	59	24360	78.114	ug/l #	84
12) 1,1-Dichloroethene	2.318	96	26330	18.980	ug/l	91
13) Acrolein	2.233	56	40633	141.217	ug/l	99
14) Allyl chloride	2.666	41	45347	17.331	ug/l	89
15) Acrylonitrile	3.062	53	77532	94.467	ug/l	99
16) Acetone	2.379	43	79124	114.572	ug/l	95
17) Carbon Disulfide	2.514	76	53472	16.498	ug/l	100
18) Methyl Acetate	2.703	43	46445	18.539	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	85284	17.700	ug/l	99
20) Methylene Chloride	2.788	84	29801	17.462	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	28432	17.531	ug/l	97
22) Diisopropyl ether	3.757	45	94592	17.968	ug/l	97
23) Vinyl Acetate	3.721	43	348555	87.950	ug/l	97
24) 1,1-Dichloroethane	3.611	63	51594	17.913	ug/l	99
25) 2-Butanone	4.550	43	109990	93.774	ug/l	99
26) 2,2-Dichloropropane	4.477	77	36096	17.495	ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	34428	18.465	ug/l	96
28) Bromochloromethane	4.897	49	26077	19.876	ug/l	96
29) Tetrahydrofuran	5.001	42	67610	91.457	ug/l	97
30) Chloroform	5.098	83	54265	18.395	ug/l	99
31) Cyclohexane	5.470	56	44667	16.909	ug/l	97
32) 1,1,1-Trichloroethane	5.385	97	44864	17.812	ug/l	99
36) 1,1-Dichloropropene	5.696	75	39135	18.258	ug/l	100
37) Ethyl Acetate	4.708	43	40759	18.105	ug/l	100
38) Carbon Tetrachloride	5.678	117	41115	18.520	ug/l	99
39) Methylcyclohexane	7.379	83	47188	17.827	ug/l	95
40) Benzene	6.037	78	117114	18.745	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	22963	19.440	ug/l	96
42) 1,2-Dichloroethane	6.086	62	40436	18.263	ug/l	98
43) Isopropyl Acetate	6.336	43	62050	18.337	ug/l	98
44) Trichloroethene	7.129	130	34799	19.918	ug/l	89
45) 1,2-Dichloropropane	7.427	63	30324	19.375	ug/l	100
46) Dibromomethane	7.580	93	21486	19.654	ug/l	96
47) Bromodichloromethane	7.824	83	41180	19.546	ug/l	97
48) Methyl methacrylate	7.689	41	31908	18.719	ug/l	96
49) 1,4-Dioxane	7.677	88	13848	367.270	ug/l #	96
51) 4-Methyl-2-Pentanone	8.573	43	209316	100.720	ug/l	99
52) Toluene	8.720	92	76795	19.034	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	39398	18.699	ug/l	96
54) cis-1,3-Dichloropropene	8.366	75	44578	18.883	ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	32662	20.451	ug/l	95
56) Ethyl methacrylate	9.116	69	44489	19.794	ug/l	98
57) 1,3-Dichloropropane	9.311	76	52324	20.205	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	104880	94.749	ug/l	98
59) 2-Hexanone	9.427	43	156108	107.924	ug/l	99
60) Dibromochloromethane	9.518	129	34416	20.786	ug/l	100
61) 1,2-Dibromoethane	9.610	107	33856	21.241	ug/l	99
64) Tetrachloroethene	9.275	164	31759	20.203	ug/l	96
65) Chlorobenzene	10.079	112	86891	19.643	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	32612	20.032	ug/l	98
67) Ethyl Benzene	10.195	91	147018	19.357	ug/l	99
68) m/p-Xylenes	10.299	106	118856	40.009	ug/l	98
69) o-Xylene	10.640	106	58188	19.751	ug/l	99
70) Styrene	10.652	104	96226	20.083	ug/l	99
71) Bromoform	10.799	173	27171	19.918	ug/l #	100
73) Isopropylbenzene	10.963	105	153453	19.081	ug/l	100
74) N-amyl acetate	10.841	43	52517	17.697	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	46821	19.479	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	41306m	19.893	ug/l	
77) Bromobenzene	11.195	156	41649	19.359	ug/l	97
78) n-propylbenzene	11.305	91	166770	18.084	ug/l	99
79) 2-Chlorotoluene	11.366	91	101919	18.586	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	126943	18.667	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	11797	17.657	ug/l	95
82) 4-Chlorotoluene	11.457	91	114832	18.250	ug/l	99
83) tert-Butylbenzene	11.713	119	130364	19.307	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	126399	19.650	ug/l	100
85) sec-Butylbenzene	11.890	105	157356	19.484	ug/l	99
86) p-Isopropyltoluene	12.006	119	138572	20.041	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	75017	19.645	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	75895	19.511	ug/l	99
89) n-Butylbenzene	12.329	91	108230	19.134	ug/l	99
90) Hexachloroethane	12.536	117	21266	18.698	ug/l	95
91) 1,2-Dichlorobenzene	12.335	146	74346	20.176	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	8612	18.675	ug/l	96
93) 1,2,4-Trichlorobenzene	13.585	180	50942	20.524	ug/l	98
94) Hexachlorobutadiene	13.725	225	23789	19.566	ug/l	100
95) Naphthalene	13.774	128	146095	20.459	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	51008	20.538	ug/l	100

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

