

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012324\
 Data File : VX039900.D
 Acq On : 23 Jan 2024 11:24
 Operator : JC/MD
 Sample : VX0123WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0123WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/24/2024
 Supervised By : Mahesh Dadoda 01/24/2024

Quant Time: Jan 24 02:29:08 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 11 03:51:26 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	81857	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	138600	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	130120	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	64718	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	64937	47.357	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 94.720%			
35) Dibromofluoromethane	5.379	113	48010	51.428	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.860%			
50) Toluene-d8	8.647	98	173922	49.397	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 98.800%			
62) 4-Bromofluorobenzene	11.079	95	69488	50.470	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 100.940%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	16643	15.714	ug/l	98
3) Chloromethane	1.294	50	17931	14.825	ug/l	98
4) Vinyl Chloride	1.374	62	18376	16.098	ug/l	97
5) Bromomethane	1.605	94	12341	18.948	ug/l	99
6) Chloroethane	1.685	64	11779	18.152	ug/l	96
7) Trichlorofluoromethane	1.886	101	29956	18.192	ug/l	100
8) Diethyl Ether	2.130	74	11766	19.336	ug/l	91
9) 1,1,2-Trichlorotrifluo...	2.331	101	19001	18.613	ug/l	97
10) Methyl Iodide	2.453	142	19921	18.498	ug/l	96
11) Tert butyl alcohol	2.947	59	29522	82.708	ug/l #	91
12) 1,1-Dichloroethene	2.319	96	16953	17.207	ug/l	95
13) Acrolein	2.233	56	20015	80.834	ug/l	100
14) Allyl chloride	2.666	41	32185	16.598	ug/l	97
15) Acrylonitrile	3.056	53	66400	90.056	ug/l	99
16) Acetone	2.373	43	70193	91.022	ug/l	94
17) Carbon Disulfide	2.514	76	45994	16.242	ug/l	99
18) Methyl Acetate	2.697	43	30239	18.743	ug/l	97
19) Methyl tert-butyl Ether	3.105	73	63315	18.102	ug/l	95
20) Methylene Chloride	2.788	84	20384	17.475	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	18715	18.051	ug/l	95
22) Diisopropyl ether	3.757	45	67291	18.185	ug/l	99
23) Vinyl Acetate	3.721	43	314056	91.302	ug/l	99
24) 1,1-Dichloroethane	3.605	63	37062	18.205	ug/l	98
25) 2-Butanone	4.544	43	97995	88.426	ug/l	97
26) 2,2-Dichloropropane	4.471	77	27429	16.788	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	22277	18.734	ug/l	96
28) Bromochloromethane	4.897	49	15469	16.763	ug/l	97
29) Tetrahydrofuran	4.995	42	61539	86.274	ug/l	99
30) Chloroform	5.086	83	38296	19.056	ug/l	99
31) Cyclohexane	5.471	56	30354	16.773	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	31694	18.421	ug/l	97
36) 1,1-Dichloropropene	5.690	75	27657	19.033	ug/l	98
37) Ethyl Acetate	4.708	43	34486	17.790	ug/l	98
38) Carbon Tetrachloride	5.672	117	25051	18.823	ug/l	96
39) Methylcyclohexane	7.379	83	31292	17.934	ug/l	97
40) Benzene	6.031	78	78629	19.110	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	18423	19.434	ug/l	94
42) 1,2-Dichloroethane	6.086	62	31949	20.424	ug/l	98
43) Isopropyl Acetate	6.336	43	54029	18.999	ug/l	99
44) Trichloroethene	7.123	130	19412	19.250	ug/l	91
45) 1,2-Dichloropropane	7.427	63	21396	19.384	ug/l	100
46) Dibromomethane	7.580	93	15672	20.557	ug/l	96
47) Bromodichloromethane	7.818	83	29190	20.673	ug/l	99
48) Methyl methacrylate	7.690	41	26781	19.160	ug/l	95
49) 1,4-Dioxane	7.653	88	9807	362.596	ug/l #	94
51) 4-Methyl-2-Pentanone	8.568	43	190132	97.080	ug/l	98
52) Toluene	8.714	92	48247	19.632	ug/l	93
53) t-1,3-Dichloropropene	8.976	75	29552	19.724	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	32706	19.852	ug/l	96
55) 1,1,2-Trichloroethane	9.147	97	21420	20.471	ug/l	89
56) Ethyl methacrylate	9.116	69	33339	19.687	ug/l	96
57) 1,3-Dichloropropane	9.305	76	36154	20.389	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	68972	86.165	ug/l	97
59) 2-Hexanone	9.427	43	150705	97.226	ug/l	97
60) Dibromochloromethane	9.519	129	20874	21.154	ug/l	98
61) 1,2-Dibromoethane	9.610	107	22620	20.876	ug/l	99
64) Tetrachloroethene	9.269	164	16680	19.712	ug/l	97
65) Chlorobenzene	10.079	112	52616	19.415	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.159	131	18690	20.253	ug/l	97
67) Ethyl Benzene	10.189	91	96597	19.199	ug/l	95
68) m/p-Xylenes	10.299	106	72439	39.147	ug/l	97
69) o-Xylene	10.640	106	35106	19.157	ug/l	96
70) Styrene	10.653	104	57561	19.229	ug/l	98
71) Bromoform	10.799	173	14046	20.271	ug/l #	96
73) Isopropylbenzene	10.963	105	93899	18.224	ug/l	99
74) N-amyl acetate	10.842	43	46178	17.193	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.207	83	36351	18.475	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	30430m	18.136	ug/l	
77) Bromobenzene	11.195	156	21840	19.037	ug/l	98
78) n-propylbenzene	11.305	91	115635	18.542	ug/l	98
79) 2-Chlorotoluene	11.360	91	68852	17.863	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	81066	18.524	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.018	75	8437	16.757	ug/l	98
82) 4-Chlorotoluene	11.451	91	80502	18.413	ug/l	98
83) tert-Butylbenzene	11.713	119	75629	18.102	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	80944	18.540	ug/l	100
85) sec-Butylbenzene	11.890	105	101596	18.733	ug/l	99
86) p-Isopropyltoluene	12.006	119	81970	18.911	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	41958	19.079	ug/l	98
88) 1,4-Dichlorobenzene	12.036	146	41758	18.385	ug/l	96
89) n-Butylbenzene	12.329	91	80079	19.128	ug/l	96
90) Hexachloroethane	12.536	117	12480	17.066	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	40575	18.663	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	8407	17.437	ug/l	96
93) 1,2,4-Trichlorobenzene	13.585	180	25893	19.488	ug/l	97
94) Hexachlorobutadiene	13.725	225	11270	20.405	ug/l	97
95) Naphthalene	13.774	128	86796	17.745	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	26005	19.393	ug/l	99

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

