

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030124\
 Data File : VX040552.D
 Acq On : 01 Mar 2024 17:02
 Operator : JC/MD
 Sample : VX0301WBS02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0301WBS02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/04/2024
 Supervised By : Mahesh Dadoda 03/04/2024

Quant Time: Mar 01 23:19:33 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022624W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 27 05:01:33 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	88585	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	144309	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	121171	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	62990	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	76987	51.961	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.920%			
35) Dibromofluoromethane	5.385	113	54557	54.366	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.740%			
50) Toluene-d8	8.647	98	191242	52.501	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 105.000%			
62) 4-Bromofluorobenzene	11.079	95	67336	48.494	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 96.980%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	21357	19.373	ug/l	100
3) Chloromethane	1.294	50	20400	18.656	ug/l	96
4) Vinyl Chloride	1.373	62	22346	18.898	ug/l	100
5) Bromomethane	1.605	94	15719	23.921	ug/l	96
6) Chloroethane	1.684	64	14261	19.057	ug/l	98
7) Trichlorofluoromethane	1.886	101	34181	18.303	ug/l	99
8) Diethyl Ether	2.129	74	11729	17.968	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.325	101	20112	20.007	ug/l	95
10) Methyl Iodide	2.453	142	21320	22.536	ug/l	99
11) Tert butyl alcohol	2.952	59	27133	108.937	ug/l #	89
12) 1,1-Dichloroethene	2.318	96	18140	17.973	ug/l	98
13) Acrolein	2.233	56	11490	71.954	ug/l	99
14) Allyl chloride	2.660	41	34064	19.292	ug/l	90
15) Acrylonitrile	3.062	53	59592	95.382	ug/l	98
16) Acetone	2.373	43	69339	143.504	ug/l	98
17) Carbon Disulfide	2.507	76	43480	15.557	ug/l	99
18) Methyl Acetate	2.696	43	30480	20.461	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	70299	20.421	ug/l	97
20) Methylene Chloride	2.788	84	22343	19.323	ug/l	95
21) trans-1,2-Dichloroethene	3.087	96	19907	18.495	ug/l	97
22) Diisopropyl ether	3.757	45	69856	19.687	ug/l	98
23) Vinyl Acetate	3.721	43	322355	99.176	ug/l	100
24) 1,1-Dichloroethane	3.611	63	40059	19.360	ug/l	98
25) 2-Butanone	4.550	43	93181	110.685	ug/l	98
26) 2,2-Dichloropropane	4.471	77	34142	20.724	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	24585	19.524	ug/l	99
28) Bromochloromethane	4.897	49	12669	14.637	ug/l	96
29) Tetrahydrofuran	4.995	42	56448	96.116	ug/l	98
30) Chloroform	5.092	83	44001	20.034	ug/l	99
31) Cyclohexane	5.464	56	31003	18.469	ug/l	99
32) 1,1,1-Trichloroethane	5.379	97	38706	20.648	ug/l	98
36) 1,1-Dichloropropene	5.696	75	30729	19.875	ug/l	99
37) Ethyl Acetate	4.708	43	33928	20.051	ug/l	99
38) Carbon Tetrachloride	5.678	117	31613	21.165	ug/l	96
39) Methylcyclohexane	7.379	83	34305	20.551	ug/l	96
40) Benzene	6.037	78	83061	19.843	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	18908	20.005	ug/l #	93
42) 1,2-Dichloroethane	6.086	62	38648	22.307	ug/l	98
43) Isopropyl Acetate	6.336	43	55320	20.836	ug/l	97
44) Trichloroethene	7.122	130	22517	20.002	ug/l	100
45) 1,2-Dichloropropane	7.427	63	22809	20.360	ug/l	94
46) Dibromomethane	7.580	93	17261	20.957	ug/l	99
47) Bromodichloromethane	7.817	83	33716	20.791	ug/l	98
48) Methyl methacrylate	7.689	41	28531	21.500	ug/l	95
49) 1,4-Dioxane	7.653	88	11372	453.003	ug/l #	94
51) 4-Methyl-2-Pentanone	8.567	43	188253	107.241	ug/l	96
52) Toluene	8.720	92	52982	20.624	ug/l	92
53) t-1,3-Dichloropropene	8.976	75	34281	20.830	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	37937	21.445	ug/l	100
55) 1,1,2-Trichloroethane	9.153	97	23102	21.669	ug/l	93
56) Ethyl methacrylate	9.116	69	35129	21.311	ug/l #	92
57) 1,3-Dichloropropane	9.305	76	39217	21.120	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	64163	74.239	ug/l	96
59) 2-Hexanone	9.427	43	148228	109.828	ug/l	97
60) Dibromochloromethane	9.518	129	24921	21.521	ug/l	99
61) 1,2-Dibromoethane	9.610	107	25003	21.492	ug/l	97
64) Tetrachloroethene	9.268	164	19963	23.467	ug/l	98
65) Chlorobenzene	10.079	112	52811	20.491	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	20368	22.424	ug/l	100
67) Ethyl Benzene	10.195	91	99931	21.181	ug/l	99
68) m/p-Xylenes	10.299	106	74216	42.126	ug/l	91
69) o-Xylene	10.640	106	35607	21.132	ug/l	93
70) Styrene	10.652	104	60545	21.554	ug/l	97
71) Bromoform	10.799	173	16222	21.818	ug/l #	96
73) Isopropylbenzene	10.963	105	96066	20.709	ug/l	99
74) N-amyl acetate	10.841	43	46388	21.531	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.213	83	33729	20.105	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	27594m	19.905	ug/l	
77) Bromobenzene	11.195	156	22809	20.794	ug/l	98
78) n-propylbenzene	11.305	91	118145	20.532	ug/l	98
79) 2-Chlorotoluene	11.366	91	69716	20.126	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	84221	21.348	ug/l	95
81) trans-1,4-Dichloro-2-b...	11.018	75	8101	19.517	ug/l	87
82) 4-Chlorotoluene	11.451	91	82729	20.653	ug/l	99
83) tert-Butylbenzene	11.713	119	78790	21.183	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	82649	21.114	ug/l	100
85) sec-Butylbenzene	11.890	105	103250	21.130	ug/l	100
86) p-Isopropyltoluene	12.006	119	84433	20.963	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	44366	20.292	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	45735	20.549	ug/l	99
89) n-Butylbenzene	12.329	91	82968	20.938	ug/l	96
90) Hexachloroethane	12.536	117	14100	21.034	ug/l	90
91) 1,2-Dichlorobenzene	12.335	146	42832	20.558	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	8277	21.163	ug/l	95
93) 1,2,4-Trichlorobenzene	13.585	180	29126	21.420	ug/l	98
94) Hexachlorobutadiene	13.725	225	12311	22.153	ug/l	97
95) Naphthalene	13.774	128	91589	21.078	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	29468	22.798	ug/l	98

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

