

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011224\
 Data File : VX039730.D
 Acq On : 12 Jan 2024 12:33
 Operator : JC/MD
 Sample : VX0112WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0112WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/15/2024
 Supervised By : Mahesh Dadoda 01/15/2024

Quant Time: Jan 12 22:35:50 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	101666	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	175126	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	158616	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	72677	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	73209	42.987	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	85.980%		
35) Dibromofluoromethane	5.385	113	55045	46.666	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.340%		
50) Toluene-d8	8.647	98	211978	47.649	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	95.300%		
62) 4-Bromofluorobenzene	11.079	95	78150	44.922	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	89.840%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	24749	18.815	ug/l	99
3) Chloromethane	1.294	50	25791	17.169	ug/l	98
4) Vinyl Chloride	1.374	62	26003	18.342	ug/l	99
5) Bromomethane	1.599	94	14005	17.313	ug/l	98
6) Chloroethane	1.666	64	14560	18.066	ug/l	100
7) Trichlorofluoromethane	1.874	101	38211	18.684	ug/l	99
8) Diethyl Ether	2.136	74	14162	18.738	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.319	101	23456	18.500	ug/l	98
10) Methyl Iodide	2.447	142	26115	19.524	ug/l	92
11) Tert butyl alcohol	3.001	59	37470	84.521	ug/l #	94
12) 1,1-Dichloroethene	2.313	96	22438	18.337	ug/l	94
13) Acrolein	2.233	56	24561	79.671	ug/l	99
14) Allyl chloride	2.660	41	41935	17.412	ug/l	97
15) Acrylonitrile	3.062	53	83240	90.899	ug/l	99
16) Acetone	2.380	43	78903	82.381	ug/l	94
17) Carbon Disulfide	2.508	76	56955	16.194	ug/l	100
18) Methyl Acetate	2.703	43	37702	18.815	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	80189	18.459	ug/l	96
20) Methylene Chloride	2.788	84	26734	18.453	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	23555	18.293	ug/l	93
22) Diisopropyl ether	3.763	45	86523	18.826	ug/l	90
23) Vinyl Acetate	3.721	43	394111	92.251	ug/l	99
24) 1,1-Dichloroethane	3.605	63	47130	18.640	ug/l	98
25) 2-Butanone	4.556	43	124419	90.394	ug/l	99
26) 2,2-Dichloropropane	4.471	77	36701	18.086	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	28196	19.091	ug/l	97
28) Bromochloromethane	4.897	49	21447	18.713	ug/l	96
29) Tetrahydrofuran	5.007	42	79223	89.425	ug/l	99
30) Chloroform	5.099	83	46903	18.791	ug/l	98
31) Cyclohexane	5.464	56	41660	18.535	ug/l	95
32) 1,1,1-Trichloroethane	5.385	97	38644	18.084	ug/l	98
36) 1,1-Dichloropropene	5.690	75	33057	18.005	ug/l	98
37) Ethyl Acetate	4.715	43	45246	18.472	ug/l	99
38) Carbon Tetrachloride	5.672	117	30286	18.010	ug/l	97
39) Methylcyclohexane	7.379	83	42265	19.170	ug/l	99
40) Benzene	6.031	78	102889	19.790	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	23436	19.566	ug/l	94
42) 1,2-Dichloroethane	6.086	62	38010	19.230	ug/l	99
43) Isopropyl Acetate	6.336	43	68175	18.974	ug/l	100
44) Trichloroethene	7.123	130	24778	19.447	ug/l	99
45) 1,2-Dichloropropane	7.427	63	27376	19.629	ug/l	91
46) Dibromomethane	7.580	93	18926	19.647	ug/l	99
47) Bromodichloromethane	7.818	83	33959	19.035	ug/l #	95
48) Methyl methacrylate	7.690	41	33522	18.980	ug/l	95
49) 1,4-Dioxane	7.665	88	14340	419.612	ug/l #	94
51) 4-Methyl-2-Pentanone	8.574	43	239000	96.580	ug/l	99
52) Toluene	8.714	92	63449	20.432	ug/l	96
53) t-1,3-Dichloropropene	8.976	75	35300	18.647	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	39742	19.092	ug/l	91
55) 1,1,2-Trichloroethane	9.153	97	26115	19.753	ug/l	92
56) Ethyl methacrylate	9.116	69	42720	19.965	ug/l	98
57) 1,3-Dichloropropane	9.305	76	44621	19.916	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	92525	91.480	ug/l	96
59) 2-Hexanone	9.433	43	196875	100.521	ug/l	99
60) Dibromochloromethane	9.519	129	22767	18.260	ug/l	96
61) 1,2-Dibromoethane	9.610	107	26612	19.437	ug/l	98
64) Tetrachloroethene	9.269	164	19999	19.389	ug/l	97
65) Chlorobenzene	10.079	112	65345	19.780	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	22337	19.857	ug/l	95
67) Ethyl Benzene	10.195	91	121542	19.817	ug/l	99
68) m/p-Xylenes	10.299	106	89449	39.655	ug/l	97
69) o-Xylene	10.640	106	45034	20.160	ug/l	98
70) Styrene	10.652	104	71195	19.511	ug/l	98
71) Bromoform	10.799	173	15733	18.626	ug/l #	98
73) Isopropylbenzene	10.963	105	118408	20.464	ug/l	99
74) N-amyl acetate	10.841	43	59692	19.791	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	45097	20.410	ug/l	97
76) 1,2,3-Trichloropropane	11.238	75	36160m	19.191	ug/l	
77) Bromobenzene	11.195	156	26518	20.583	ug/l	99
78) n-propylbenzene	11.305	91	137847	19.683	ug/l	98
79) 2-Chlorotoluene	11.366	91	84232	19.460	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	100970	20.546	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	11063	19.275	ug/l	98
82) 4-Chlorotoluene	11.451	91	94374	19.222	ug/l	100
83) tert-Butylbenzene	11.713	119	96087	20.480	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	99039	20.200	ug/l	99
85) sec-Butylbenzene	11.890	105	122999	20.195	ug/l	99
86) p-Isopropyltoluene	12.006	119	97079	19.944	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	49670	20.113	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	49072	19.239	ug/l	96
89) n-Butylbenzene	12.329	91	85638	18.215	ug/l	97
90) Hexachloroethane	12.536	117	15678	19.092	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	49742	20.373	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	9845	18.183	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	28037	18.791	ug/l	95
94) Hexachlorobutadiene	13.725	225	12066	19.454	ug/l	97
95) Naphthalene	13.774	128	104109	18.954	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	28901	19.193	ug/l	98

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

