

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101623\
 Data File : VX038297.D
 Acq On : 16 Oct 2023 12:27
 Operator : JC/MD
 Sample : VX1016WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1016WBS01

Manual Integrations
 APPROVED

Reviewed By :John Carlone 10/17/2023
 Supervised By :Mahesh Dadoda 10/18/2023

Quant Time: Oct 17 01:19:43 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100523W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 05 15:27:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	152504	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	259165	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	258289	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	143810	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	112000	45.660	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	91.320%		
35) Dibromofluoromethane	5.385	113	90876	48.663	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.320%		
50) Toluene-d8	8.647	98	342150	47.947	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	95.900%		
62) 4-Bromofluorobenzene	11.079	95	133613	49.389	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.780%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	24574	16.694	ug/l	100
3) Chloromethane	1.294	50	26342	17.557	ug/l	100
4) Vinyl Chloride	1.374	62	33688	20.251	ug/l	97
5) Bromomethane	1.605	94	30539	13.353	ug/l	99
6) Chloroethane	1.684	64	24369	20.166	ug/l	97
7) Trichlorofluoromethane	1.886	101	65510	19.938	ug/l	99
8) Diethyl Ether	2.130	74	23909	19.511	ug/l	76
9) 1,1,2-Trichlorotrifluo...	2.331	101	29366	20.473	ug/l	98
10) Methyl Iodide	2.453	142	36355	17.615	ug/l	95
11) Tert butyl alcohol	2.946	59	45902	77.102	ug/l #	92
12) 1,1-Dichloroethene	2.318	96	27329	19.587	ug/l	85
13) Acrolein	2.233	56	28337	81.262	ug/l	99
14) Allyl chloride	2.666	41	44389	17.786	ug/l	94
15) Acrylonitrile	3.056	53	106761	95.640	ug/l	99
16) Acetone	2.373	43	102080	99.714	ug/l	93
17) Carbon Disulfide	2.514	76	60849	15.131	ug/l	98
18) Methyl Acetate	2.696	43	87203	19.864	ug/l	93
19) Methyl tert-butyl Ether	3.111	73	104607	18.824	ug/l	96
20) Methylene Chloride	2.788	84	33933	17.622	ug/l	89
21) trans-1,2-Dichloroethene	3.093	96	31842	18.432	ug/l	87
22) Diisopropyl ether	3.757	45	96385	18.427	ug/l #	92
23) Vinyl Acetate	3.721	43	350702	91.428	ug/l	95
24) 1,1-Dichloroethane	3.611	63	58202	18.335	ug/l	99
25) 2-Butanone	4.550	43	153860	93.149	ug/l	92
26) 2,2-Dichloropropane	4.477	77	44180	17.826	ug/l	96
27) cis-1,2-Dichloroethene	4.483	96	38072	18.504	ug/l	91
28) Bromochloromethane	4.891	49	27715	19.341	ug/l	84
29) Tetrahydrofuran	5.001	42	97044	90.240	ug/l	89
30) Chloroform	5.092	83	67163	19.349	ug/l	100
31) Cyclohexane	5.470	56	46058	17.331	ug/l	89
32) 1,1,1-Trichloroethane	5.385	97	56750	19.087	ug/l	98
36) 1,1-Dichloropropene	5.690	75	46860	18.197	ug/l	97
37) Ethyl Acetate	4.708	43	56452	18.458	ug/l	98
38) Carbon Tetrachloride	5.672	117	47087	18.587	ug/l	98
39) Methylcyclohexane	7.379	83	55018	18.240	ug/l	93
40) Benzene	6.037	78	134599	18.687	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	27950	18.371	ug/l #	88
42) 1,2-Dichloroethane	6.086	62	53929	18.740	ug/l	99
43) Isopropyl Acetate	6.336	43	82987	18.176	ug/l	96
44) Trichloroethene	7.123	130	38086	20.217	ug/l	96
45) 1,2-Dichloropropane	7.427	63	35323	18.948	ug/l	99
46) Dibromomethane	7.580	93	27294	18.878	ug/l	97
47) Bromodichloromethane	7.818	83	50150	19.498	ug/l	97
48) Methyl methacrylate	7.689	41	40344	18.510	ug/l #	85
49) 1,4-Dioxane	7.653	88	20806	387.382	ug/l #	89
51) 4-Methyl-2-Pentanone	8.573	43	304048	96.548	ug/l	95
52) Toluene	8.720	92	92047	19.619	ug/l	93
53) t-1,3-Dichloropropene	8.976	75	51568	18.678	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	54710	18.861	ug/l	91
55) 1,1,2-Trichloroethane	9.153	97	40505	20.183	ug/l	98
56) Ethyl methacrylate	9.116	69	58736	19.089	ug/l	90
57) 1,3-Dichloropropane	9.305	76	64417	19.846	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	138683	91.823	ug/l	99
59) 2-Hexanone	9.427	43	249461	98.534	ug/l	96
60) Dibromochloromethane	9.518	129	39032	19.873	ug/l	100
61) 1,2-Dibromoethane	9.610	107	43419	20.007	ug/l	99
64) Tetrachloroethene	9.275	164	32067	19.178	ug/l	98
65) Chlorobenzene	10.079	112	103813	19.208	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	36980	20.234	ug/l	99
67) Ethyl Benzene	10.195	91	184806	19.156	ug/l	100
68) m/p-Xylenes	10.299	106	141203	37.852	ug/l	99
69) o-Xylene	10.640	106	69943	19.211	ug/l	96
70) Styrene	10.652	104	113993	19.226	ug/l	97
71) Bromoform	10.799	173	28945	18.957	ug/l #	98
73) Isopropylbenzene	10.963	105	183465	19.023	ug/l	99
74) N-amyl acetate	10.841	43	71960	17.472	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.213	83	68404	19.329	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	63078m	19.294	ug/l	
77) Bromobenzene	11.201	156	46266	19.649	ug/l	91
78) n-propylbenzene	11.305	91	223131	18.921	ug/l	99
79) 2-Chlorotoluene	11.366	91	130079	18.600	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	157867	18.973	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	17114	18.086	ug/l	95
82) 4-Chlorotoluene	11.451	91	154088	18.619	ug/l	98
83) tert-Butylbenzene	11.713	119	155634	19.143	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	158701	19.130	ug/l	97
85) sec-Butylbenzene	11.890	105	201995	19.180	ug/l	100
86) p-Isopropyltoluene	12.006	119	167099	19.231	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	89593	18.944	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	90455	18.734	ug/l	99
89) n-Butylbenzene	12.335	91	159060	18.381	ug/l	96
90) Hexachloroethane	12.536	117	27163	18.854	ug/l	94
91) 1,2-Dichlorobenzene	12.335	146	87126	19.166	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	16615	19.418	ug/l	86
93) 1,2,4-Trichlorobenzene	13.585	180	59368	19.471	ug/l	97
94) Hexachlorobutadiene	13.725	225	23953	19.519	ug/l	99
95) Naphthalene	13.774	128	197117	18.564	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	56915	19.278	ug/l	97

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

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