

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102523\
 Data File : VX038470.D
 Acq On : 25 Oct 2023 11:29
 Operator : JC/MD
 Sample : VX1025WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1025WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/26/2023
 Supervised By : Mahesh Dadoda 10/26/2023

Quant Time: Oct 26 04:01:29 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	166626	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	267429	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	258232	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	149514	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	117254	43.750	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	87.500%		
35) Dibromofluoromethane	5.385	113	103741	53.836	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	107.680%		
50) Toluene-d8	8.647	98	360442	48.950	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.900%		
62) 4-Bromofluorobenzene	11.079	95	142928	51.200	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	102.400%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	34744	21.602	ug/l	96
3) Chloromethane	1.294	50	30478	18.592	ug/l	95
4) Vinyl Chloride	1.374	62	35489	19.526	ug/l	99
5) Bromomethane	1.611	94	33728	13.507	ug/l	99
6) Chloroethane	1.691	64	23666	17.732	ug/l	99
7) Trichlorofluoromethane	1.886	101	66472	18.516	ug/l	96
8) Diethyl Ether	2.130	74	24058	17.968	ug/l	79
9) 1,1,2-Trichlorotrifluo...	2.331	101	36589	23.346	ug/l	96
10) Methyl Iodide	2.453	142	45216	20.052	ug/l	93
11) Tert butyl alcohol	2.947	59	48977	75.023	ug/l #	91
12) 1,1-Dichloroethene	2.319	96	32775	21.499	ug/l	86
13) Acrolein	2.233	56	47968	125.900	ug/l	100
14) Allyl chloride	2.660	41	50421	18.491	ug/l #	96
15) Acrylonitrile	3.056	53	119055	97.614	ug/l	98
16) Acetone	2.373	43	102984	92.071	ug/l	92
17) Carbon Disulfide	2.514	76	81893	18.638	ug/l	99
18) Methyl Acetate	2.697	43	98527	20.541	ug/l #	91
19) Methyl tert-butyl Ether	3.111	73	122840	20.232	ug/l	98
20) Methylene Chloride	2.788	84	39822	18.927	ug/l	87
21) trans-1,2-Dichloroethene	3.093	96	37295	19.758	ug/l	85
22) Diisopropyl ether	3.757	45	109066	19.084	ug/l #	91
23) Vinyl Acetate	3.721	43	393866	93.978	ug/l #	93
24) 1,1-Dichloroethane	3.605	63	65676	18.936	ug/l	100
25) 2-Butanone	4.550	43	162300	89.931	ug/l #	87
26) 2,2-Dichloropropane	4.471	77	52385	19.346	ug/l	95
27) cis-1,2-Dichloroethene	4.489	96	45153	20.086	ug/l	88
28) Bromochloromethane	4.891	49	27964	17.861	ug/l #	71
29) Tetrahydrofuran	5.001	42	104398	88.851	ug/l #	85
30) Chloroform	5.092	83	76838	20.260	ug/l	98
31) Cyclohexane	5.470	56	51541	17.750	ug/l	89
32) 1,1,1-Trichloroethane	5.385	97	64232	19.773	ug/l	96
36) 1,1-Dichloropropene	5.690	75	51905	19.533	ug/l	96
37) Ethyl Acetate	4.708	43	61656	19.537	ug/l	96
38) Carbon Tetrachloride	5.672	117	55549	21.250	ug/l	98
39) Methylcyclohexane	7.379	83	63190	20.302	ug/l	91
40) Benzene	6.037	78	152469	20.514	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	31249	19.904	ug/l #	87
42) 1,2-Dichloroethane	6.086	62	59491	20.034	ug/l	97
43) Isopropyl Acetate	6.336	43	91663	19.456	ug/l #	95
44) Trichloroethene	7.123	130	44479	22.881	ug/l	98
45) 1,2-Dichloropropane	7.427	63	39653	20.614	ug/l	100
46) Dibromomethane	7.580	93	32064	21.491	ug/l	93
47) Bromodichloromethane	7.818	83	58521	22.049	ug/l	98
48) Methyl methacrylate	7.690	41	44218	19.661	ug/l #	86
49) 1,4-Dioxane	7.653	88	15008	270.795	ug/l #	88
51) 4-Methyl-2-Pentanone	8.574	43	325176	100.066	ug/l	95
52) Toluene	8.720	92	101528	20.971	ug/l	93
53) t-1,3-Dichloropropene	8.976	75	58457	20.519	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	62695	20.946	ug/l #	88
55) 1,1,2-Trichloroethane	9.153	97	46119	22.271	ug/l	97
56) Ethyl methacrylate	9.116	69	65598	20.661	ug/l	90
57) 1,3-Dichloropropane	9.305	76	71524	21.355	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	148777	95.462	ug/l	96
59) 2-Hexanone	9.427	43	257746	98.661	ug/l	93
60) Dibromochloromethane	9.519	129	48338	23.850	ug/l	100
61) 1,2-Dibromoethane	9.610	107	48891	21.832	ug/l	99
64) Tetrachloroethene	9.275	164	37790	22.605	ug/l	98
65) Chlorobenzene	10.079	112	116679	21.593	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	43023	23.545	ug/l	99
67) Ethyl Benzene	10.195	91	201307	20.871	ug/l	98
68) m/p-Xylenes	10.299	106	158697	42.551	ug/l	95
69) o-Xylene	10.640	106	76147	20.919	ug/l	99
70) Styrene	10.652	104	129548	21.854	ug/l	96
71) Bromoform	10.799	173	35919	22.840	ug/l #	100
73) Isopropylbenzene	10.963	105	205874	20.532	ug/l	99
74) N-amyl acetate	10.841	43	79439	18.553	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.213	83	77319	21.015	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	69508m	20.449	ug/l	
77) Bromobenzene	11.195	156	52942	21.627	ug/l	85
78) n-propylbenzene	11.305	91	244984	19.982	ug/l	100
79) 2-Chlorotoluene	11.366	91	142119	19.546	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	176319	20.382	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	18711	18.811	ug/l	93
82) 4-Chlorotoluene	11.451	91	169583	19.710	ug/l	94
83) tert-Butylbenzene	11.713	119	175564	20.770	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	176809	20.499	ug/l	97
85) sec-Butylbenzene	11.890	105	223565	20.418	ug/l	99
86) p-Isopropyltoluene	12.006	119	186174	20.608	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	104163	21.185	ug/l	97
88) 1,4-Dichlorobenzene	12.042	146	106533	21.223	ug/l	97
89) n-Butylbenzene	12.329	91	169310	18.819	ug/l	96
90) Hexachloroethane	12.536	117	30420	20.309	ug/l	89
91) 1,2-Dichlorobenzene	12.335	146	100988	21.367	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.939	75	17062	19.180	ug/l	73
93) 1,2,4-Trichlorobenzene	13.585	180	70135	22.125	ug/l	95
94) Hexachlorobutadiene	13.725	225	26756	20.971	ug/l	98
95) Naphthalene	13.774	128	228250	20.676	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	68394	22.283	ug/l	98

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

