

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX013123\
 Data File : VX033962.D
 Acq On : 31 Jan 2023 11:36
 Operator : JC/MD
 Sample : VX0131WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0131WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/01/2023
 Supervised By : Mahesh Dadoda 02/01/2023

Quant Time: Feb 01 02:06:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011123W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 11 14:48:42 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	161409	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	223240	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	202488	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	109582	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	76600	45.072	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 90.140%			
35) Dibromofluoromethane	5.385	113	71071	51.270	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.540%			
50) Toluene-d8	8.647	98	249099	49.320	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 98.640%			
62) 4-Bromofluorobenzene	11.079	95	93961	50.107	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 100.220%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	20136	15.786	ug/l	100
3) Chloromethane	1.294	50	24420	17.330	ug/l	97
4) Vinyl Chloride	1.374	62	24232	17.722	ug/l	99
5) Bromomethane	1.611	94	12979	16.521	ug/l	98
6) Chloroethane	1.691	64	14756	17.456	ug/l	98
7) Trichlorofluoromethane	1.892	101	38106	17.185	ug/l	96
8) Diethyl Ether	2.130	74	15498	21.346	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.331	101	25665	20.514	ug/l	93
10) Methyl Iodide	2.453	142	33201	18.519	ug/l	92
11) Tert butyl alcohol	2.965	59	24080	81.563	ug/l #	84
12) 1,1-Dichloroethene	2.325	96	23158	17.633	ug/l	86
13) Acrolein	2.233	56	31238	114.677	ug/l	100
14) Allyl chloride	2.666	41	42127	17.006	ug/l	88
15) Acrylonitrile	3.062	53	71351	91.830	ug/l	99
16) Acetone	2.380	43	66338	99.974	ug/l	91
17) Carbon Disulfide	2.514	76	45661	15.059	ug/l	99
18) Methyl Acetate	2.697	43	45921	19.361	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	79855	17.506	ug/l	99
20) Methylene Chloride	2.788	84	27583	17.013	ug/l	95
21) trans-1,2-Dichloroethene	3.093	96	25152	16.382	ug/l	95
22) Diisopropyl ether	3.757	45	87553	17.567	ug/l	93
23) Vinyl Acetate	3.715	43	323754	86.291	ug/l	99
24) 1,1-Dichloroethane	3.605	63	47153	17.293	ug/l	99
25) 2-Butanone	4.550	43	98033	88.285	ug/l	96
26) 2,2-Dichloropropane	4.471	77	32680	16.731	ug/l	100
27) cis-1,2-Dichloroethene	4.489	96	30594	17.332	ug/l	97
28) Bromochloromethane	4.897	49	26291	21.167	ug/l	93
29) Tetrahydrofuran	5.001	42	63422	90.621	ug/l	98
30) Chloroform	5.086	83	49867	17.855	ug/l	98
31) Cyclohexane	5.470	56	40260	16.099	ug/l	98
32) 1,1,1-Trichloroethane	5.379	97	41111	17.241	ug/l	98
36) 1,1-Dichloropropene	5.690	75	33427	16.523	ug/l	97
37) Ethyl Acetate	4.708	43	36370	16.952	ug/l	99
38) Carbon Tetrachloride	5.672	117	36834	17.579	ug/l	96
39) Methylcyclohexane	7.379	83	42064	16.837	ug/l	96
40) Benzene	6.037	78	105733	17.930	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	21852	19.601	ug/l	96
42) 1,2-Dichloroethane	6.080	62	37598	17.992	ug/l	99
43) Isopropyl Acetate	6.336	43	58002	18.161	ug/l	98
44) Trichloroethene	7.123	130	31112	18.867	ug/l	98
45) 1,2-Dichloropropane	7.427	63	27525	18.633	ug/l	98
46) Dibromomethane	7.580	93	19366	18.769	ug/l	96
47) Bromodichloromethane	7.818	83	36747	18.480	ug/l	97
48) Methyl methacrylate	7.690	41	29619	18.410	ug/l	97
49) 1,4-Dioxane	7.677	88	13002	365.353	ug/l #	98
51) 4-Methyl-2-Pentanone	8.567	43	190525	97.133	ug/l	98
52) Toluene	8.714	92	68918	18.098	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	36016	18.111	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	41083	18.438	ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	29817	19.781	ug/l	97
56) Ethyl methacrylate	9.116	69	41542	19.583	ug/l	96
57) 1,3-Dichloropropane	9.305	76	48195	19.718	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.238	63	103005	98.592	ug/l	98
59) 2-Hexanone	9.427	43	139815	102.412	ug/l	99
60) Dibromochloromethane	9.518	129	31168	19.944	ug/l	100
61) 1,2-Dibromoethane	9.610	107	30729	20.427	ug/l	99
64) Tetrachloroethene	9.269	164	29372	19.680	ug/l	96
65) Chlorobenzene	10.079	112	79045	18.857	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	29980	19.433	ug/l	99
67) Ethyl Benzene	10.195	91	132958	18.473	ug/l	96
68) m/p-Xylenes	10.299	106	105138	37.348	ug/l	99
69) o-Xylene	10.640	106	52752	18.895	ug/l	98
70) Styrene	10.652	104	87668	19.309	ug/l	100
71) Bromoform	10.799	173	24599	19.029	ug/l #	100
73) Isopropylbenzene	10.963	105	137458	17.426	ug/l	99
74) N-amyl acetate	10.841	43	48982	17.022	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	43278	18.400	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	39216m	19.477	ug/l	
77) Bromobenzene	11.195	156	38317	18.245	ug/l	98
78) n-propylbenzene	11.305	91	153100	17.122	ug/l	99
79) 2-Chlorotoluene	11.366	91	92940	17.290	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	115618	17.534	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	10396	16.047	ug/l	93
82) 4-Chlorotoluene	11.451	91	104840	16.999	ug/l	98
83) tert-Butylbenzene	11.713	119	119398	18.237	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	114942	18.428	ug/l	100
85) sec-Butylbenzene	11.890	105	143940	18.381	ug/l	99
86) p-Isopropyltoluene	12.006	119	126970	18.938	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	69118	18.667	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	69445	18.411	ug/l	98
89) n-Butylbenzene	12.329	91	100419	18.308	ug/l	100
90) Hexachloroethane	12.536	117	18709	16.964	ug/l	95
91) 1,2-Dichlorobenzene	12.335	146	68960	19.300	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	7935	17.745	ug/l	96
93) 1,2,4-Trichlorobenzene	13.585	180	47429	19.707	ug/l	98
94) Hexachlorobutadiene	13.725	225	22298	18.913	ug/l	98
95) Naphthalene	13.774	128	136382	19.696	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	47894	19.888	ug/l	99

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

