

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX013124\
 Data File : VX040037.D
 Acq On : 31 Jan 2024 10:53
 Operator : JC/MD
 Sample : VX0131WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0131WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/01/2024
 Supervised By : Mahesh Dadoda 02/01/2024

Quant Time: Feb 01 04:19:59 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X013024W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 31 07:12:04 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	99686	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	174235	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	161075	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	79741	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	75913	47.318	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.640%		
35) Dibromofluoromethane	5.385	113	57192	48.219	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.440%		
50) Toluene-d8	8.647	98	213301	48.088	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.180%		
62) 4-Bromofluorobenzene	11.079	95	79270	46.413	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	92.820%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	24851	22.133	ug/l	97
3) Chloromethane	1.294	50	23569	22.134	ug/l	100
4) Vinyl Chloride	1.374	62	24094	24.466	ug/l	97
5) Bromomethane	1.605	94	15990	16.703	ug/l	97
6) Chloroethane	1.691	64	12442	19.137	ug/l	94
7) Trichlorofluoromethane	1.886	101	26382	16.838	ug/l	95
8) Diethyl Ether	2.136	74	10437	18.841	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.331	101	22916	19.602	ug/l	99
10) Methyl Iodide	2.453	142	25063	20.139	ug/l	95
11) Tert butyl alcohol	2.953	59	28493	97.880	ug/l #	87
12) 1,1-Dichloroethene	2.319	96	22299	19.888	ug/l	94
13) Acrolein	2.233	56	24976	89.551	ug/l	99
14) Allyl chloride	2.666	41	38874	19.235	ug/l	96
15) Acrylonitrile	3.062	53	73264	100.471	ug/l	98
16) Acetone	2.380	43	72629	96.619	ug/l	95
17) Carbon Disulfide	2.514	76	61134	18.649	ug/l	97
18) Methyl Acetate	2.703	43	42442	23.833	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	73766	19.206	ug/l	99
20) Methylene Chloride	2.788	84	26095	19.534	ug/l	94
21) trans-1,2-Dichloroethene	3.093	96	23983	19.423	ug/l	94
22) Diisopropyl ether	3.757	45	79936	20.419	ug/l	93
23) Vinyl Acetate	3.721	43	345900	98.728	ug/l	98
24) 1,1-Dichloroethane	3.611	63	44609	19.896	ug/l	99
25) 2-Butanone	4.556	43	107176	102.567	ug/l	99
26) 2,2-Dichloropropane	4.477	77	32697	18.690	ug/l	96
27) cis-1,2-Dichloroethene	4.489	96	27461	19.932	ug/l	95
28) Bromochloromethane	4.903	49	20143	19.266	ug/l	99
29) Tetrahydrofuran	5.001	42	67195	101.135	ug/l	99
30) Chloroform	5.092	83	46829	19.451	ug/l	99
31) Cyclohexane	5.470	56	38405	19.111	ug/l	94
32) 1,1,1-Trichloroethane	5.385	97	39163	18.954	ug/l	99
36) 1,1-Dichloropropene	5.696	75	33039	19.261	ug/l	98
37) Ethyl Acetate	4.714	43	39716	21.200	ug/l	99
38) Carbon Tetrachloride	5.672	117	31686	19.305	ug/l	94
39) Methylcyclohexane	7.379	83	40011	19.171	ug/l	96
40) Benzene	6.037	78	98483	19.712	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	20761	21.853	ug/l	93
42) 1,2-Dichloroethane	6.086	62	38876	20.214	ug/l	98
43) Isopropyl Acetate	6.342	43	61908	20.956	ug/l	98
44) Trichloroethene	7.123	130	25136	19.118	ug/l	99
45) 1,2-Dichloropropane	7.434	63	26457	20.056	ug/l	94
46) Dibromomethane	7.580	93	19053	19.243	ug/l	97
47) Bromodichloromethane	7.824	83	35767	20.282	ug/l	98
48) Methyl methacrylate	7.696	41	30181	20.739	ug/l	92
49) 1,4-Dioxane	7.659	88	12846	406.210	ug/l #	95
51) 4-Methyl-2-Pentanone	8.574	43	211637	104.944	ug/l	99
52) Toluene	8.720	92	62522	20.078	ug/l	97
53) t-1,3-Dichloropropene	8.976	75	33578	18.359	ug/l	95
54) cis-1,3-Dichloropropene	8.366	75	38933	19.949	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	25398	19.704	ug/l	97
56) Ethyl methacrylate	9.116	69	38468	20.437	ug/l	97
57) 1,3-Dichloropropane	9.305	76	43256	20.374	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	81038	85.617	ug/l	97
59) 2-Hexanone	9.427	43	169482	105.404	ug/l	98
60) Dibromochloromethane	9.518	129	25436	19.639	ug/l	96
61) 1,2-Dibromoethane	9.610	107	27074	19.428	ug/l	99
64) Tetrachloroethene	9.275	164	20680	19.731	ug/l	93
65) Chlorobenzene	10.079	112	63289	19.009	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.165	131	22072	19.631	ug/l	97
67) Ethyl Benzene	10.195	91	119097	19.937	ug/l	99
68) m/p-Xylenes	10.299	106	89780	39.950	ug/l	99
69) o-Xylene	10.640	106	43552	20.430	ug/l	99
70) Styrene	10.652	104	72200	20.096	ug/l	99
71) Bromoform	10.799	173	16639	19.217	ug/l #	99
73) Isopropylbenzene	10.963	105	115027	20.088	ug/l	99
74) N-amyl acetate	10.841	43	53189	20.262	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.213	83	41411	19.236	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	32903m	19.376	ug/l	
77) Bromobenzene	11.195	156	26296	19.908	ug/l	99
78) n-propylbenzene	11.305	91	139151	19.748	ug/l	99
79) 2-Chlorotoluene	11.366	91	81035	19.103	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	97026	19.712	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	9780	19.956	ug/l	98
82) 4-Chlorotoluene	11.451	91	95882	19.693	ug/l	99
83) tert-Butylbenzene	11.713	119	92851	19.713	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	96556	19.659	ug/l	99
85) sec-Butylbenzene	11.890	105	120666	19.337	ug/l	98
86) p-Isopropyltoluene	12.006	119	99893	19.603	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	51341	19.268	ug/l	100
88) 1,4-Dichlorobenzene	12.042	146	53188	19.500	ug/l	99
89) n-Butylbenzene	12.335	91	94556	19.118	ug/l	96
90) Hexachloroethane	12.536	117	14738	18.696	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	49762	19.369	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	9124	18.697	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	30183	18.794	ug/l	98
94) Hexachlorobutadiene	13.725	225	12012	18.987	ug/l	97
95) Naphthalene	13.774	128	102775	18.841	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	31513	19.845	ug/l	99

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

