

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072324\
 Data File : VN083013.D
 Acq On : 23 Jul 2024 15:42
 Operator : JC\MD
 Sample : VN0723WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0723WBS01

Manual Integrations
 APPROVED

Reviewed By :John Carlone 07/24/2024
 Supervised By :Mahesh Dadoda 07/24/2024

Quant Time: Jul 24 02:29:08 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 08 13:46:04 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	81751	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	136636	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	126556	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	61031	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	52595	45.895	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	91.800%		
35) Dibromofluoromethane	8.171	113	41523	47.360	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.720%		
50) Toluene-d8	10.571	98	148320	45.802	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	91.600%		
62) 4-Bromofluorobenzene	12.853	95	47227	40.600	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery =	81.200%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	18109	17.110	ug/l	94
3) Chloromethane	2.359	50	15566	15.508	ug/l	96
4) Vinyl Chloride	2.512	62	19005	18.029	ug/l	98
5) Bromomethane	2.959	94	14699	19.339	ug/l	89
6) Chloroethane	3.118	64	15454	21.423	ug/l	96
7) Trichlorofluoromethane	3.495	101	29620	19.536	ug/l	94
8) Diethyl Ether	3.959	74	8604	16.581	ug/l	83
9) 1,1,2-Trichlorotrifluo...	4.371	101	17499	20.392	ug/l	99
10) Methyl Iodide	4.589	142	12086	13.737	ug/l #	96
11) Tert butyl alcohol	5.530	59	15658	81.236	ug/l	99
12) 1,1-Dichloroethene	4.336	96	14474	17.344	ug/l	87
13) Acrolein	4.183	56	2622	18.842	ug/l	93
14) Allyl chloride	5.030	41	20087	15.437	ug/l #	94
15) Acrylonitrile	5.724	53	43110	97.321	ug/l	99
16) Acetone	4.430	43	39275	97.343	ug/l #	86
17) Carbon Disulfide	4.712	76	38575	15.469	ug/l	100
18) Methyl Acetate	5.024	43	26735	25.042	ug/l #	91
19) Methyl tert-butyl Ether	5.800	73	51102	17.751	ug/l	95
20) Methylene Chloride	5.271	84	18796	19.290	ug/l #	80
21) trans-1,2-Dichloroethene	5.789	96	15657	17.315	ug/l	89
22) Diisopropyl ether	6.677	45	50125	18.413	ug/l #	90
23) Vinyl Acetate	6.606	43	184061	85.141	ug/l #	94
24) 1,1-Dichloroethane	6.571	63	33408	20.232	ug/l	97
25) 2-Butanone	7.488	43	57957	95.133	ug/l #	85
26) 2,2-Dichloropropane	7.488	77	27795	18.104	ug/l	98
27) cis-1,2-Dichloroethene	7.488	96	20174	19.056	ug/l	87
28) Bromochloromethane	7.812	49	14506	20.478	ug/l	85
29) Tetrahydrofuran	7.841	42	36936	96.304	ug/l #	86
30) Chloroform	7.965	83	36508	20.841	ug/l	98
31) Cyclohexane	8.259	56	24543	16.381	ug/l	88
32) 1,1,1-Trichloroethane	8.171	97	31303	19.246	ug/l	98
36) 1,1-Dichloropropene	8.371	75	22467	18.586	ug/l	98
37) Ethyl Acetate	7.565	43	24498	19.906	ug/l	100
38) Carbon Tetrachloride	8.365	117	27811	19.108	ug/l	96
39) Methylcyclohexane	9.606	83	19930	15.263	ug/l	95
40) Benzene	8.606	78	72846	19.591	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	12859	19.395	ug/l	90
42) 1,2-Dichloroethane	8.671	62	26997	20.168	ug/l	99
43) Isopropyl Acetate	8.694	43	40874	15.571	ug/l #	93
44) Trichloroethene	9.353	130	16550	17.373	ug/l	82
45) 1,2-Dichloropropane	9.624	63	18248	21.021	ug/l	89
46) Dibromomethane	9.712	93	13917	20.578	ug/l	99
47) Bromodichloromethane	9.888	83	29291	20.961	ug/l	99
48) Methyl methacrylate	9.682	41	17501	18.136	ug/l #	84
49) 1,4-Dioxane	9.694	88	7538	353.990	ug/l	96
51) 4-Methyl-2-Pentanone	10.447	43	129012	105.740	ug/l	96
52) Toluene	10.629	92	46071	19.835	ug/l	99
53) t-1,3-Dichloropropene	10.841	75	26843	18.647	ug/l	98
54) cis-1,3-Dichloropropene	10.318	75	28420	18.651	ug/l	88
55) 1,1,2-Trichloroethane	11.018	97	18935	22.169	ug/l	92
56) Ethyl methacrylate	10.876	69	25319	19.053	ug/l	89
57) 1,3-Dichloropropane	11.165	76	30708	20.311	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	73511	107.809	ug/l	96
59) 2-Hexanone	11.200	43	94752	104.455	ug/l	95
60) Dibromochloromethane	11.359	129	22018	20.239	ug/l	99
61) 1,2-Dibromoethane	11.471	107	18157	20.018	ug/l	95
64) Tetrachloroethene	11.106	164	16016	16.963	ug/l	97
65) Chlorobenzene	11.894	112	50529	18.632	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.965	131	19629	20.349	ug/l	99
67) Ethyl Benzene	11.965	91	80566	17.676	ug/l	96
68) m/p-Xylenes	12.070	106	62859	36.529	ug/l	96
69) o-Xylene	12.400	106	28236	17.125	ug/l	98
70) Styrene	12.412	104	51152	18.776	ug/l	97
71) Bromoform	12.576	173	14687	19.360	ug/l #	98
73) Isopropylbenzene	12.700	105	73223	16.511	ug/l	100
74) N-amyl acetate	12.494	43	31476	17.159	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.941	83	26656	20.070	ug/l	97
76) 1,2,3-Trichloropropane	12.994	75	23668m	22.494	ug/l	
77) Bromobenzene	12.982	156	19736	17.250	ug/l	96
78) n-propylbenzene	13.035	91	90057	17.662	ug/l	100
79) 2-Chlorotoluene	13.129	91	54257	16.700	ug/l	96
80) 1,3,5-Trimethylbenzene	13.176	105	61092	17.042	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	9579	17.904	ug/l	99
82) 4-Chlorotoluene	13.223	91	54800	17.041	ug/l	97
83) tert-Butylbenzene	13.441	119	48714	15.328	ug/l	96
84) 1,2,4-Trimethylbenzene	13.482	105	62382	17.074	ug/l	100
85) sec-Butylbenzene	13.617	105	69660	16.220	ug/l	98
86) p-Isopropyltoluene	13.729	119	59061	16.483	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	36177	17.504	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	36611	17.128	ug/l	98
89) n-Butylbenzene	14.059	91	47310	15.412	ug/l	97
90) Hexachloroethane	14.335	117	13125	17.311	ug/l	98
91) 1,2-Dichlorobenzene	14.106	146	34718	17.301	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	5297	17.239	ug/l	98
93) 1,2,4-Trichlorobenzene	15.394	180	16667	15.419	ug/l	97
94) Hexachlorobutadiene	15.500	225	7458	15.564	ug/l	99
95) Naphthalene	15.641	128	51244	13.842	ug/l	98
96) 1,2,3-Trichlorobenzene	15.841	180	17438	15.690	ug/l	97

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

