

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111622\
 Data File : VN075290.D
 Acq On : 16 Nov 2022 16:03
 Operator : JC\MD
 Sample : VN1116WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/17/2022
 Supervised By : Mahesh Dadoda 11/17/2022

Quant Time: Nov 17 04:29:01 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 09:48:49 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	135719	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	226075	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	209478	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	104922	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	73558	40.225	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	80.460%
35) Dibromofluoromethane	8.177	113	66092	49.799	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.600%
50) Toluene-d8	10.571	98	233109	45.272	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	90.540%
62) 4-Bromofluorobenzene	12.847	95	86916	48.052	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	96.100%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.136	85	28008	15.864	ug/l	98
3) Chloromethane	2.371	50	28077	14.972	ug/l	98
4) Vinyl Chloride	2.524	62	38035	14.217	ug/l	94
5) Bromomethane	2.930	94	32944	13.671	ug/l	97
6) Chloroethane	3.106	64	27909	14.548	ug/l	94
7) Trichlorofluoromethane	3.495	101	50275	18.396	ug/l	97
8) Diethyl Ether	3.971	74	18833	18.893	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.389	101	28991	19.208	ug/l	98
10) Methyl Iodide	4.600	142	42242	18.800	ug/l	98
11) Tert butyl alcohol	5.542	59	34073	79.899	ug/l #	86
12) 1,1-Dichloroethene	4.347	96	25163	17.491	ug/l	95
13) Acrolein	4.189	56	15924	45.652	ug/l	98
14) Allyl chloride	5.042	41	37479	17.837	ug/l	95
15) Acrylonitrile	5.730	53	78978	87.671	ug/l	97
16) Acetone	4.442	43	70814	91.456	ug/l	92
17) Carbon Disulfide	4.718	76	60285	16.663	ug/l	98
18) Methyl Acetate	5.042	43	44959	17.776	ug/l	96
19) Methyl tert-butyl Ether	5.806	73	97638	18.260	ug/l	96
20) Methylene Chloride	5.283	84	32614	18.891	ug/l	92
21) trans-1,2-Dichloroethene	5.789	96	28551	18.125	ug/l	93
22) Diisopropyl ether	6.683	45	83166	17.936	ug/l	97
23) Vinyl Acetate	6.612	43	321120m	82.932	ug/l	
24) 1,1-Dichloroethane	6.577	63	51231	17.469	ug/l	99
25) 2-Butanone	7.494	43	104499	85.803	ug/l	99
26) 2,2-Dichloropropane	7.494	77	44758	16.590	ug/l	99
27) cis-1,2-Dichloroethene	7.494	96	35394	18.816	ug/l	95
28) Bromochloromethane	7.818	49	21072	17.045	ug/l	89
29) Tetrahydrofuran	7.841	42	65520	83.254	ug/l	99
30) Chloroform	7.971	83	56875	17.862	ug/l	97
31) Cyclohexane	8.265	56	45198	16.619	ug/l	97
32) 1,1,1-Trichloroethane	8.171	97	51346	17.758	ug/l	99
36) 1,1-Dichloropropene	8.371	75	40424	19.674	ug/l	98
37) Ethyl Acetate	7.571	43	40713	18.068	ug/l	99
38) Carbon Tetrachloride	8.365	117	44440	19.662	ug/l	98
39) Methylcyclohexane	9.606	83	52154	19.227	ug/l	100
40) Benzene	8.606	78	126058	20.037	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	21003	19.455	ug/l	99
42) 1,2-Dichloroethane	8.677	62	43095	18.828	ug/l	96
43) Isopropyl Acetate	8.694	43	64104	18.340	ug/l	98
44) Trichloroethene	9.353	130	34489	21.851	ug/l	99
45) 1,2-Dichloropropane	9.624	63	31057	20.744	ug/l	98
46) Dibromomethane	9.706	93	23620	20.250	ug/l	95
47) Bromodichloromethane	9.888	83	44255	19.592	ug/l #	95
48) Methyl methacrylate	9.682	41	29595	18.459	ug/l	95
49) 1,4-Dioxane	9.694	88	17635	420.033	ug/l #	85
51) 4-Methyl-2-Pentanone	10.447	43	209767	93.003	ug/l	99
52) Toluene	10.629	92	84126	20.004	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	45463	19.068	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	50820	20.097	ug/l	98
55) 1,1,2-Trichloroethane	11.018	97	33539	20.113	ug/l	95
56) Ethyl methacrylate	10.876	69	48651	19.127	ug/l	99
57) 1,3-Dichloropropane	11.165	76	56171	20.228	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	89974	91.499	ug/l	99
59) 2-Hexanone	11.200	43	155418	90.790	ug/l	97
60) Dibromochloromethane	11.359	129	34973	19.879	ug/l	97
61) 1,2-Dibromoethane	11.471	107	34575	20.233	ug/l	99
64) Tetrachloroethene	11.106	164	31464	24.499	ug/l	93
65) Chlorobenzene	11.888	112	91034	20.359	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	32794	19.771	ug/l	98
67) Ethyl Benzene	11.965	91	159380	19.812	ug/l	99
68) m/p-Xylenes	12.071	106	127146	39.390	ug/l	97
69) o-Xylene	12.400	106	63231	19.808	ug/l	99
70) Styrene	12.412	104	102291	20.097	ug/l	98
71) Bromoform	12.576	173	24597	19.807	ug/l #	99
73) Isopropylbenzene	12.694	105	163598	19.422	ug/l	99
74) N-amyl acetate	12.494	43	55255	17.736	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.935	83	51027	18.610	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	44653m	20.044	ug/l	
77) Bromobenzene	12.982	156	39752	21.433	ug/l	88
78) n-propylbenzene	13.035	91	189290	20.016	ug/l	100
79) 2-Chlorotoluene	13.123	91	114276	19.774	ug/l	98
80) 1,3,5-Trimethylbenzene	13.176	105	141871	20.053	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	13342	15.374	ug/l	97
82) 4-Chlorotoluene	13.123	91	114276	19.774	ug/l	98
83) tert-Butylbenzene	13.441	119	125092	19.899	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	141251	19.733	ug/l	98
85) sec-Butylbenzene	13.617	105	175297	19.933	ug/l	100
86) p-Isopropyltoluene	13.729	119	148727	20.477	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	75376	20.757	ug/l	97
88) 1,4-Dichlorobenzene	13.812	146	76224	21.209	ug/l	99
89) n-Butylbenzene	14.059	91	123817	21.170	ug/l	99
90) Hexachloroethane	14.335	117	23379	17.556	ug/l	91
91) 1,2-Dichlorobenzene	14.106	146	74390	20.606	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.723	75	10043	17.676	ug/l	92
93) 1,2,4-Trichlorobenzene	15.394	180	36104	23.240	ug/l	98
94) Hexachlorobutadiene	15.506	225	18355	24.236	ug/l	99
95) Naphthalene	15.641	128	124190	20.788	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	35544	23.027	ug/l	99

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

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