

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012422\
 Data File : VX026553.D
 Acq On : 24 Jan 2022 12:05
 Operator : JC/MD
 Sample : VX0124WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0124WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/25/2022
 Supervised By : Mahesh Dadoda 01/25/2022

Quant Time: Jan 25 03:25:00 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011122W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 11 14:45:13 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	100140	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	160472	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	141112	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	64490	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	68577	49.023	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	98.040%		
35) Dibromofluoromethane	5.391	113	53579	51.703	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	103.400%		
50) Toluene-d8	8.647	98	194531	52.093	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	104.180%		
62) 4-Bromofluorobenzene	11.079	95	70016	52.780	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	105.560%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.173	85	19257	16.285	ug/l	98
3) Chloromethane	1.295	50	19297	17.802	ug/l	99
4) Vinyl Chloride	1.380	62	19918	17.501	ug/l	100
5) Bromomethane	1.618	94	11109	21.159	ug/l	96
6) Chloroethane	1.691	64	10316	17.925	ug/l	98
7) Trichlorofluoromethane	1.892	101	30954	17.227	ug/l	99
8) Diethyl Ether	2.136	74	11855	18.644	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.337	101	20307	18.545	ug/l	98
10) Methyl Iodide	2.459	142	25593	24.226	ug/l	98
11) Tert butyl alcohol	3.008	59	19072m	98.006	ug/l	
12) 1,1-Dichloroethene	2.325	96	18680	17.861	ug/l	94
13) Acrolein	2.246	56	21031	101.706	ug/l	97
14) Allyl chloride	2.666	41	34944	18.169	ug/l	97
15) Acrylonitrile	3.069	53	58968	98.438	ug/l	99
16) Acetone	2.392	43	67791	95.029	ug/l	97
17) Carbon Disulfide	2.520	76	50102	16.409	ug/l	99
18) Methyl Acetate	2.709	43	28076	19.797	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	69428	18.296	ug/l	99
20) Methylene Chloride	2.794	84	21818	18.511	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	20407	18.025	ug/l	98
22) Diisopropyl ether	3.758	45	73070	18.704	ug/l #	85
23) Vinyl Acetate	3.721	43	303023	94.228	ug/l	99
24) 1,1-Dichloroethane	3.611	63	38620	18.304	ug/l	99
25) 2-Butanone	4.568	43	88938	95.867	ug/l	97
26) 2,2-Dichloropropane	4.477	77	28160	18.006	ug/l	98
27) cis-1,2-Dichloroethene	4.495	96	24221	18.745	ug/l	96
28) Bromochloromethane	4.904	49	16800	19.392	ug/l	100
29) Tetrahydrofuran	5.007	42	52658	95.570	ug/l	99
30) Chloroform	5.099	83	41157	18.774	ug/l	99
31) Cyclohexane	5.471	56	35291	17.104	ug/l	99
32) 1,1,1-Trichloroethane	5.385	97	35132	18.219	ug/l	100
36) 1,1-Dichloropropene	5.696	75	29636	18.116	ug/l	99
37) Ethyl Acetate	4.715	43	32520	19.651	ug/l	100
38) Carbon Tetrachloride	5.684	117	31208	18.546	ug/l	98
39) Methylcyclohexane	7.379	83	35963	18.225	ug/l	99
40) Benzene	6.044	78	85962	19.011	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	18385	19.612	ug/l	98
42) 1,2-Dichloroethane	6.086	62	33627	19.008	ug/l	100
43) Isopropyl Acetate	6.342	43	51730	19.352	ug/l	100
44) Trichloroethene	7.129	130	24933	19.433	ug/l	100
45) 1,2-Dichloropropane	7.434	63	22330	19.784	ug/l	97
46) Dibromomethane	7.580	93	15579	19.581	ug/l	98
47) Bromodichloromethane	7.824	83	31579	19.644	ug/l	96
48) Methyl methacrylate	7.690	41	25479	19.233	ug/l	99
49) 1,4-Dioxane	7.690	88	8168	375.709	ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	162590	102.545	ug/l	99
52) Toluene	8.720	92	54314	19.588	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	30655	19.047	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	33919	19.644	ug/l	96
55) 1,1,2-Trichloroethane	9.153	97	21907	20.246	ug/l	96
56) Ethyl methacrylate	9.116	69	33887	20.435	ug/l	96
57) 1,3-Dichloropropane	9.311	76	38646	20.600	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.245	63	97843	112.523	ug/l	98
59) 2-Hexanone	9.433	43	123648	101.891	ug/l	100
60) Dibromochloromethane	9.525	129	23340	20.699	ug/l	100
61) 1,2-Dibromoethane	9.610	107	23127	20.511	ug/l	99
64) Tetrachloroethene	9.275	164	26300	19.730	ug/l	96
65) Chlorobenzene	10.080	112	56240	18.926	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	21634	19.593	ug/l	99
67) Ethyl Benzene	10.195	91	103092	19.091	ug/l	99
68) m/p-Xylenes	10.299	106	78301	38.746	ug/l	100
69) o-Xylene	10.640	106	37957	19.465	ug/l	98
70) Styrene	10.659	104	62235	19.559	ug/l	99
71) Bromoform	10.799	173	14878	19.061	ug/l #	99
73) Isopropylbenzene	10.964	105	100401	18.993	ug/l	99
74) N-amyl acetate	10.842	43	37764	18.505	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.214	83	27648	19.486	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	28344m	19.962	ug/l	
77) Bromobenzene	11.201	156	23297	19.238	ug/l	99
78) n-propylbenzene	11.305	91	115482	19.157	ug/l	99
79) 2-Chlorotoluene	11.366	91	69705	19.069	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	83888	19.249	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	7694	20.366	ug/l	99
82) 4-Chlorotoluene	11.457	91	79682	18.966	ug/l	98
83) tert-Butylbenzene	11.713	119	77726	19.105	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	83778	19.220	ug/l	99
85) sec-Butylbenzene	11.890	105	102472	19.473	ug/l	100
86) p-Isopropyltoluene	12.012	119	85540	19.375	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	43203	19.033	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	43208	18.806	ug/l	97
89) n-Butylbenzene	12.335	91	72737	19.198	ug/l	100
90) Hexachloroethane	12.543	117	12990	19.041	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	42002	19.580	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	6615	19.290	ug/l	99
93) 1,2,4-Trichlorobenzene	13.591	180	25990	18.898	ug/l	98
94) Hexachlorobutadiene	13.725	225	11233	19.349	ug/l	99
95) Naphthalene	13.780	128	88652	19.325	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	25843	19.107	ug/l	99

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

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