

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX033122\
 Data File : VX027839.D
 Acq On : 31 Mar 2022 11:48
 Operator : JC/MD
 Sample : VX0331WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0331WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/01/2022
 Supervised By : Mahesh Dadoda 04/01/2022

Quant Time: Apr 01 04:05:57 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032922W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 30 04:39:27 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	78533	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	127912	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	107824	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	50949	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	51828	51.148	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 102.300%			
35) Dibromofluoromethane	5.385	113	40700	49.295	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 98.600%			
50) Toluene-d8	8.653	98	140991	48.534	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 97.060%			
62) 4-Bromofluorobenzene	11.079	95	56856	46.056	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 92.120%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	13639	19.166	ug/l	98
3) Chloromethane	1.294	50	10723	17.052	ug/l	99
4) Vinyl Chloride	1.374	62	11946	18.523	ug/l	95
5) Bromomethane	1.599	94	7342	25.247	ug/l	96
6) Chloroethane	1.685	64	7698	17.707	ug/l	94
7) Trichlorofluoromethane	1.886	101	20804	18.389	ug/l	95
8) Diethyl Ether	2.136	74	7589	18.688	ug/l	89
9) 1,1,2-Trichlorotrifluo...	2.331	101	13961	18.985	ug/l	95
10) Methyl Iodide	2.453	142	13450	15.750	ug/l #	85
11) Tert butyl alcohol	2.959	59	20420	104.911	ug/l	99
12) 1,1-Dichloroethene	2.319	96	11651	17.268	ug/l #	82
13) Acrolein	2.239	56	12431	85.273	ug/l	93
14) Allyl chloride	2.666	41	22060	17.809	ug/l #	86
15) Acrylonitrile	3.069	53	46790	102.378	ug/l	97
16) Acetone	2.380	43	45975	102.521	ug/l #	84
17) Carbon Disulfide	2.514	76	20837	15.097	ug/l	96
18) Methyl Acetate	2.703	43	24094	21.795	ug/l #	86
19) Methyl tert-butyl Ether	3.117	73	50449	19.625	ug/l	99
20) Methylene Chloride	2.788	84	14999	18.595	ug/l	88
21) trans-1,2-Dichloroethene	3.087	96	12395	16.926	ug/l	93
22) Diisopropyl ether	3.764	45	50563	20.368	ug/l #	85
23) Vinyl Acetate	3.721	43	212356	99.009	ug/l #	89
24) 1,1-Dichloroethane	3.611	63	27313	19.557	ug/l	99
25) 2-Butanone	4.562	43	64093	98.223	ug/l	95
26) 2,2-Dichloropropane	4.477	77	13954	12.510	ug/l	99
27) cis-1,2-Dichloroethene	4.495	96	16398	18.569	ug/l	97
28) Bromochloromethane	4.904	49	11986	19.952	ug/l	89
29) Tetrahydrofuran	5.007	42	39674	94.653	ug/l	89
30) Chloroform	5.099	83	27933	17.992	ug/l	93
31) Cyclohexane	5.471	56	19009	16.971	ug/l	89
32) 1,1,1-Trichloroethane	5.391	97	23737	17.675	ug/l	99
36) 1,1-Dichloropropene	5.696	75	18700	17.983	ug/l	98
37) Ethyl Acetate	4.715	43	22284	17.286	ug/l	97
38) Carbon Tetrachloride	5.678	117	22293	19.404	ug/l	94
39) Methylcyclohexane	7.385	83	20052	16.386	ug/l	93
40) Benzene	6.044	78	57271	18.173	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	13374	19.504	ug/l	91
42) 1,2-Dichloroethane	6.086	62	24271	19.274	ug/l	94
43) Isopropyl Acetate	6.342	43	33343	16.148	ug/l	95
44) Trichloroethene	7.129	130	15812	18.463	ug/l	98
45) 1,2-Dichloropropane	7.434	63	15329	18.106	ug/l	95
46) Dibromomethane	7.580	93	10760	16.887	ug/l	96
47) Bromodichloromethane	7.824	83	20486	16.143	ug/l	98
48) Methyl methacrylate	7.696	41	16195	14.955	ug/l	88
49) 1,4-Dioxane	7.665	88	8030	375.647	ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	115676	80.757	ug/l	93
52) Toluene	8.720	92	35801	18.036	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	19372	15.232	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	20918	15.619	ug/l #	90
55) 1,1,2-Trichloroethane	9.153	97	16822	19.107	ug/l	98
56) Ethyl methacrylate	9.116	69	24883	17.845	ug/l #	80
57) 1,3-Dichloropropane	9.311	76	26507	17.891	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	61614	88.505	ug/l	96
59) 2-Hexanone	9.433	43	106210	96.298	ug/l	83
60) Dibromochloromethane	9.525	129	15903	17.421	ug/l	99
61) 1,2-Dibromoethane	9.610	107	16290	17.707	ug/l	99
64) Tetrachloroethene	9.275	164	14429	19.737	ug/l	92
65) Chlorobenzene	10.079	112	37798	17.801	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	15266	19.160	ug/l	97
67) Ethyl Benzene	10.195	91	69824	18.121	ug/l	99
68) m/p-Xylenes	10.305	106	51644	36.442	ug/l	86
69) o-Xylene	10.646	106	25203	18.208	ug/l	85
70) Styrene	10.659	104	43286	18.399	ug/l #	92
71) Bromoform	10.799	173	10744	18.388	ug/l #	97
73) Isopropylbenzene	10.963	105	69407	18.296	ug/l	98
74) N-amyl acetate	10.842	43	30574	17.893	ug/l #	84
75) 1,1,2,2-Tetrachloroethane	11.213	83	24849	19.291	ug/l	99
76) 1,2,3-Trichloropropane	11.244	75	23667m	19.802	ug/l	
77) Bromobenzene	11.201	156	16304	18.852	ug/l	82
78) n-propylbenzene	11.305	91	82296	18.159	ug/l	97
79) 2-Chlorotoluene	11.366	91	51603	18.118	ug/l	94
80) 1,3,5-Trimethylbenzene	11.451	105	60794	18.469	ug/l	95
81) trans-1,4-Dichloro-2-b...	11.018	75	5863	17.214	ug/l #	74
82) 4-Chlorotoluene	11.457	91	59427	18.183	ug/l	95
83) tert-Butylbenzene	11.719	119	57186	17.966	ug/l	85
84) 1,2,4-Trimethylbenzene	11.756	105	59814	18.224	ug/l	95
85) sec-Butylbenzene	11.890	105	72241	18.391	ug/l	97
86) p-Isopropyltoluene	12.012	119	59291	18.147	ug/l	93
87) 1,3-Dichlorobenzene	11.969	146	30082	17.670	ug/l	96
88) 1,4-Dichlorobenzene	12.043	146	29745	16.960	ug/l	95
89) n-Butylbenzene	12.335	91	51099	17.393	ug/l	94
90) Hexachloroethane	12.542	117	9282	17.690	ug/l	90
91) 1,2-Dichlorobenzene	12.335	146	29910	17.786	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	12.945	75	5973	19.262	ug/l	75
93) 1,2,4-Trichlorobenzene	13.591	180	17254	16.778	ug/l	96
94) Hexachlorobutadiene	13.725	225	7774	17.643	ug/l	95
95) Naphthalene	13.780	128	65140	18.141	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	18277	18.141	ug/l	94

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

