

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102122\
 Data File : VX032284.D
 Acq On : 21 Oct 2022 13:29
 Operator : JC/MD
 Sample : VX1021WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1021WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/24/2022
 Supervised By : Mahesh Dadoda 10/24/2022

Quant Time: Oct 22 05:08:09 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101922W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 22 04:56:40 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	126975	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	201931	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	182245	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	92990	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	87899	53.214	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 106.420%			
35) Dibromofluoromethane	5.385	113	68747	48.924	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.840%			
50) Toluene-d8	8.647	98	243733	48.186	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 96.380%			
62) 4-Bromofluorobenzene	11.079	95	94210	50.863	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.720%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	22729	19.566	ug/l	99
3) Chloromethane	1.294	50	21372	17.781	ug/l	92
4) Vinyl Chloride	1.374	62	23303	18.626	ug/l	97
5) Bromomethane	1.617	94	19968	15.244	ug/l	100
6) Chloroethane	1.691	64	19306	17.329	ug/l	100
7) Trichlorofluoromethane	1.886	101	46339	20.835	ug/l	97
8) Diethyl Ether	2.130	74	15865	20.990	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.331	101	24617	20.415	ug/l	97
10) Methyl Iodide	2.453	142	27144	15.578	ug/l	97
11) Tert butyl alcohol	2.983	59	22004	78.771	ug/l	97
12) 1,1-Dichloroethene	2.319	96	21960	19.376	ug/l	94
13) Acrolein	2.239	56	22435	111.572	ug/l	97
14) Allyl chloride	2.666	41	37561	21.101	ug/l	97
15) Acrylonitrile	3.062	53	63552	102.585	ug/l	99
16) Acetone	2.392	43	55812	104.118	ug/l	98
17) Carbon Disulfide	2.514	76	46894	17.674	ug/l	98
18) Methyl Acetate	2.703	43	38864	21.355	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	83656	21.421	ug/l	98
20) Methylene Chloride	2.788	84	26467	19.229	ug/l	92
21) trans-1,2-Dichloroethene	3.093	96	24338	19.717	ug/l	96
22) Diisopropyl ether	3.757	45	82403	21.140	ug/l	98
23) Vinyl Acetate	3.721	43	331978	106.558	ug/l	98
24) 1,1-Dichloroethane	3.611	63	45418	20.166	ug/l	98
25) 2-Butanone	4.556	43	86574	103.444	ug/l	99
26) 2,2-Dichloropropane	4.477	77	36625	22.571	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	29228	20.223	ug/l	96
28) Bromochloromethane	4.897	49	16826	18.108	ug/l	96
29) Tetrahydrofuran	5.007	42	54940	101.639	ug/l	99
30) Chloroform	5.099	83	51011	20.810	ug/l	98
31) Cyclohexane	5.464	56	37480	19.848	ug/l	90
32) 1,1,1-Trichloroethane	5.385	97	44854	21.457	ug/l	99
36) 1,1-Dichloropropene	5.696	75	35529	19.656	ug/l	99
37) Ethyl Acetate	4.714	43	35305	19.949	ug/l	100
38) Carbon Tetrachloride	5.678	117	38746	20.305	ug/l	99
39) Methylcyclohexane	7.379	83	42076	19.486	ug/l	92
40) Benzene	6.037	78	101993	19.469	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	19324	20.707	ug/l	98
42) 1,2-Dichloroethane	6.086	62	43466	21.661	ug/l	100
43) Isopropyl Acetate	6.336	43	58407	21.027	ug/l	99
44) Trichloroethene	7.129	130	28014	19.418	ug/l	95
45) 1,2-Dichloropropane	7.427	63	27049	20.467	ug/l	99
46) Dibromomethane	7.580	93	20205	20.498	ug/l	98
47) Bromodichloromethane	7.818	83	37433	20.558	ug/l	97
48) Methyl methacrylate	7.690	41	29056	20.975	ug/l	98
49) 1,4-Dioxane	7.696	88	10542	379.186	ug/l	96
51) 4-Methyl-2-Pentanone	8.573	43	184283	105.836	ug/l	99
52) Toluene	8.720	92	66511	19.599	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	38782	20.032	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	41313	20.362	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	28346	20.561	ug/l	99
56) Ethyl methacrylate	9.116	69	41841	21.073	ug/l	99
57) 1,3-Dichloropropane	9.311	76	46557	20.849	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	89484	98.325	ug/l	99
59) 2-Hexanone	9.427	43	134595	103.596	ug/l	98
60) Dibromochloromethane	9.525	129	28861	20.426	ug/l	99
61) 1,2-Dibromoethane	9.610	107	29964	20.503	ug/l	97
64) Tetrachloroethene	9.275	164	24369	20.250	ug/l	94
65) Chlorobenzene	10.079	112	72475	19.396	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	27704	20.721	ug/l	99
67) Ethyl Benzene	10.195	91	133843	20.232	ug/l	100
68) m/p-Xylenes	10.299	106	102481	39.227	ug/l	98
69) o-Xylene	10.640	106	50357	20.121	ug/l	97
70) Styrene	10.658	104	83077	19.684	ug/l	99
71) Bromoform	10.799	173	20221	19.205	ug/l #	98
73) Isopropylbenzene	10.963	105	135257	20.385	ug/l	99
74) N-amyl acetate	10.841	43	52604	21.459	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	42816	20.071	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	38639m	20.971	ug/l	
77) Bromobenzene	11.201	156	33110	20.358	ug/l	99
78) n-propylbenzene	11.305	91	156853	20.645	ug/l	99
79) 2-Chlorotoluene	11.366	91	93132	20.339	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	117326	20.471	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	10926	20.375	ug/l	96
82) 4-Chlorotoluene	11.457	91	110293	20.688	ug/l	98
83) tert-Butylbenzene	11.713	119	117967	20.572	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	115649	20.755	ug/l	99
85) sec-Butylbenzene	11.890	105	142118	20.508	ug/l	100
86) p-Isopropyltoluene	12.012	119	121294	20.570	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	62520	19.972	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	63225	19.662	ug/l	98
89) n-Butylbenzene	12.335	91	106893	20.581	ug/l	98
90) Hexachloroethane	12.542	117	18908	20.665	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	62342	20.287	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.945	75	8997	22.076	ug/l	96
93) 1,2,4-Trichlorobenzene	13.591	180	40208	20.098	ug/l	100
94) Hexachlorobutadiene	13.725	225	16629	19.152	ug/l	100
95) Naphthalene	13.774	128	130464	20.361	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	40062	19.909	ug/l	99

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

