

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112822\
 Data File : VX033084.D
 Acq On : 28 Nov 2022 12:04
 Operator : JC/MD
 Sample : VX1128WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1128WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/29/2022
 Supervised By : Mahesh Dadoda 11/29/2022

Quant Time: Nov 29 01:42:50 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112222W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 22 13:58:46 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	155791	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	243688	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	225513	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	115372	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	70726	46.223	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	92.440%		
35) Dibromofluoromethane	5.385	113	60375	43.947	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	87.900%		
50) Toluene-d8	8.647	98	184150	44.304	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	88.600%#		
62) 4-Bromofluorobenzene	11.079	95	79281	43.931	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	87.860%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	20069	16.862	ug/l	98
3) Chloromethane	1.294	50	21289	16.568	ug/l	98
4) Vinyl Chloride	1.374	62	24901	17.405	ug/l	97
5) Bromomethane	1.618	94	16377	15.437	ug/l	100
6) Chloroethane	1.691	64	19576	16.807	ug/l	97
7) Trichlorofluoromethane	1.892	101	50022	18.015	ug/l	97
8) Diethyl Ether	2.130	74	16887	19.317	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	27568	18.889	ug/l	99
10) Methyl Iodide	2.453	142	19913	11.919	ug/l	99
11) Tert butyl alcohol	3.001	59	27700	115.176	ug/l	95
12) 1,1-Dichloroethene	2.319	96	24435	17.973	ug/l	91
13) Acrolein	2.239	56	28411	102.845	ug/l	98
14) Allyl chloride	2.666	41	40118	18.278	ug/l	99
15) Acrylonitrile	3.069	53	67431	99.127	ug/l	100
16) Acetone	2.392	43	67309	94.996	ug/l	97
17) Carbon Disulfide	2.514	76	60938	16.224	ug/l	99
18) Methyl Acetate	2.709	43	40234	20.513	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	94697	20.084	ug/l	100
20) Methylene Chloride	2.788	84	28158	18.276	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	27141	17.452	ug/l	94
22) Diisopropyl ether	3.757	45	91561	19.158	ug/l #	86
23) Vinyl Acetate	3.721	43	369494	98.766	ug/l	99
24) 1,1-Dichloroethane	3.611	63	50783	18.568	ug/l	99
25) 2-Butanone	4.562	43	97665	99.961	ug/l	100
26) 2,2-Dichloropropane	4.477	77	42927	19.521	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	33751	19.101	ug/l	97
28) Bromochloromethane	4.904	49	26471	22.027	ug/l	97
29) Tetrahydrofuran	5.013	42	61910	99.861	ug/l	100
30) Chloroform	5.093	83	57629	18.814	ug/l	97
31) Cyclohexane	5.477	56	43754	17.799	ug/l	96
32) 1,1,1-Trichloroethane	5.385	97	52170	19.018	ug/l	99
36) 1,1-Dichloropropene	5.690	75	40264	18.329	ug/l	99
37) Ethyl Acetate	4.715	43	40008	20.876	ug/l	98
38) Carbon Tetrachloride	5.684	117	44948	18.445	ug/l	99
39) Methylcyclohexane	7.379	83	45612	18.198	ug/l	99
40) Benzene	6.038	78	113995	18.509	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	22035	20.434	ug/l	98
42) 1,2-Dichloroethane	6.086	62	49165	19.826	ug/l	100
43) Isopropyl Acetate	6.342	43	66459	20.968	ug/l	99
44) Trichloroethene	7.129	130	32124	18.587	ug/l	99
45) 1,2-Dichloropropane	7.434	63	30110	19.782	ug/l	94
46) Dibromomethane	7.580	93	22657	19.077	ug/l	98
47) Bromodichloromethane	7.818	83	45102	19.653	ug/l	99
48) Methyl methacrylate	7.690	41	33198	20.349	ug/l	99
49) 1,4-Dioxane	7.708	88	13582	452.257	ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	202933	103.760	ug/l	99
52) Toluene	8.720	92	75483	18.629	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	46347	19.743	ug/l	95
54) cis-1,3-Dichloropropene	8.366	75	48999	19.806	ug/l	95
55) 1,1,2-Trichloroethane	9.153	97	32471	19.683	ug/l	98
56) Ethyl methacrylate	9.116	69	47058	20.703	ug/l	99
57) 1,3-Dichloropropane	9.311	76	51919	19.495	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	115999	107.470	ug/l	98
59) 2-Hexanone	9.427	43	153830	106.474	ug/l	100
60) Dibromochloromethane	9.519	129	35863	20.192	ug/l	99
61) 1,2-Dibromoethane	9.610	107	34825	20.000	ug/l	98
64) Tetrachloroethene	9.275	164	28035	17.563	ug/l	97
65) Chlorobenzene	10.079	112	83648	18.605	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.165	131	32340	19.631	ug/l	99
67) Ethyl Benzene	10.195	91	151681	19.018	ug/l	98
68) m/p-Xylenes	10.299	106	114903	36.791	ug/l	97
69) o-Xylene	10.640	106	56985	18.857	ug/l	99
70) Styrene	10.653	104	95492	19.316	ug/l	99
71) Bromoform	10.799	173	25780	20.410	ug/l #	100
73) Isopropylbenzene	10.963	105	153189	18.581	ug/l	99
74) N-amyl acetate	10.842	43	57046	20.340	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	48906	19.654	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	43973m	20.125	ug/l	
77) Bromobenzene	11.195	156	37435	18.463	ug/l	98
78) n-propylbenzene	11.305	91	176159	18.688	ug/l	100
79) 2-Chlorotoluene	11.366	91	106534	18.609	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	130539	18.848	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	13524	20.119	ug/l	99
82) 4-Chlorotoluene	11.457	91	122737	18.295	ug/l	99
83) tert-Butylbenzene	11.713	119	131883	19.130	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	130953	18.963	ug/l	99
85) sec-Butylbenzene	11.890	105	155310	18.830	ug/l	99
86) p-Isopropyltoluene	12.012	119	133967	19.171	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	69916	18.384	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	71436	18.341	ug/l	99
89) n-Butylbenzene	12.335	91	113041	18.777	ug/l	100
90) Hexachloroethane	12.536	117	21677	18.881	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	69289	18.729	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	10669	21.490	ug/l	99
93) 1,2,4-Trichlorobenzene	13.591	180	43020	18.865	ug/l	98
94) Hexachlorobutadiene	13.725	225	18315	18.204	ug/l	98
95) Naphthalene	13.774	128	146591	19.870	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	43174	18.879	ug/l	99

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

