

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082923\
 Data File : VX037333.D
 Acq On : 29 Aug 2023 11:32
 Operator : JC/MD
 Sample : VX0829WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0829WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/30/2023
 Supervised By : Mahesh Dadoda 08/31/2023

Quant Time: Aug 30 02:05:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 18 09:30:38 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	121427	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	226810	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	213752	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	106590	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	99996	57.121	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 114.240%			
35) Dibromofluoromethane	5.385	113	84828	56.473	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 112.940%			
50) Toluene-d8	8.647	98	291923	53.576	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 107.160%			
62) 4-Bromofluorobenzene	11.079	95	117935	55.077	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 110.160%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	23728	16.822	ug/l	98
3) Chloromethane	1.301	50	28789	23.330	ug/l	97
4) Vinyl Chloride	1.374	62	26737	19.905	ug/l	99
5) Bromomethane	1.599	94	13512	20.195	ug/l	95
6) Chloroethane	1.678	64	18365	23.235	ug/l	99
7) Trichlorofluoromethane	1.880	101	37718	17.142	ug/l	100
8) Diethyl Ether	2.130	74	17977	21.118	ug/l	78
9) 1,1,2-Trichlorotrifluo...	2.325	101	20339	15.845	ug/l	96
10) Methyl Iodide	2.453	142	32618	20.908	ug/l	94
11) Tert butyl alcohol	2.965	59	39088	95.186	ug/l #	93
12) 1,1-Dichloroethene	2.319	96	22298	17.839	ug/l	82
13) Acrolein	2.233	56	26076	83.471	ug/l	99
14) Allyl chloride	2.660	41	37033	19.141	ug/l #	91
15) Acrylonitrile	3.062	53	77648	105.939	ug/l	99
16) Acetone	2.380	43	70495	102.935	ug/l #	89
17) Carbon Disulfide	2.508	76	52191	16.415	ug/l	98
18) Methyl Acetate	2.703	43	51897	20.126	ug/l #	87
19) Methyl tert-butyl Ether	3.111	73	97589	20.586	ug/l	96
20) Methylene Chloride	2.788	84	32333	21.112	ug/l #	82
21) trans-1,2-Dichloroethene	3.087	96	26594	18.716	ug/l	86
22) Diisopropyl ether	3.763	45	81028	20.409	ug/l #	83
23) Vinyl Acetate	3.721	43	304491	100.084	ug/l #	92
24) 1,1-Dichloroethane	3.611	63	50199	20.163	ug/l	97
25) 2-Butanone	4.556	43	104517	101.357	ug/l #	88
26) 2,2-Dichloropropane	4.477	77	40729	18.318	ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	33652	20.089	ug/l	87
28) Bromochloromethane	4.897	49	28028	25.201	ug/l #	72
29) Tetrahydrofuran	5.007	42	64838	98.596	ug/l #	81
30) Chloroform	5.093	83	55943	20.017	ug/l	94
31) Cyclohexane	5.471	56	33136	16.834	ug/l	90
32) 1,1,1-Trichloroethane	5.379	97	46399	18.527	ug/l	96
36) 1,1-Dichloropropene	5.690	75	34537	16.183	ug/l	97
37) Ethyl Acetate	4.715	43	40186	18.434	ug/l #	93
38) Carbon Tetrachloride	5.678	117	37175	16.036	ug/l	97
39) Methylcyclohexane	7.379	83	36170	16.132	ug/l	92
40) Benzene	6.037	78	117375	19.177	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	20869	18.415	ug/l #	87
42) 1,2-Dichloroethane	6.092	62	43747	18.226	ug/l	93
43) Isopropyl Acetate	6.342	43	62790	18.142	ug/l #	92
44) Trichloroethene	7.123	130	29593	17.051	ug/l	99
45) 1,2-Dichloropropane	7.434	63	29594	19.610	ug/l	96
46) Dibromomethane	7.580	93	22936	19.292	ug/l	94
47) Bromodichloromethane	7.824	83	41563	18.252	ug/l	99
48) Methyl methacrylate	7.696	41	30319	17.963	ug/l #	85
49) 1,4-Dioxane	7.659	88	18087	397.894	ug/l #	87
51) 4-Methyl-2-Pentanone	8.574	43	201336	95.801	ug/l	90
52) Toluene	8.720	92	76748	18.978	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	41428	17.086	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	47425	18.100	ug/l #	86
55) 1,1,2-Trichloroethane	9.153	97	32562	19.774	ug/l	97
56) Ethyl methacrylate	9.116	69	48928	18.969	ug/l #	84
57) 1,3-Dichloropropane	9.311	76	53613	19.313	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	136364	110.167	ug/l	92
59) 2-Hexanone	9.433	43	156378	97.588	ug/l	87
60) Dibromochloromethane	9.519	129	32512	18.544	ug/l	99
61) 1,2-Dibromoethane	9.610	107	35156	19.499	ug/l	99
64) Tetrachloroethene	9.275	164	22924	14.701	ug/l	97
65) Chlorobenzene	10.079	112	81225	17.979	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	30469	18.274	ug/l	99
67) Ethyl Benzene	10.195	91	139919	17.601	ug/l	98
68) m/p-Xylenes	10.299	106	110017	35.837	ug/l	98
69) o-Xylene	10.640	106	56241	18.569	ug/l	99
70) Styrene	10.652	104	92302	18.501	ug/l	97
71) Bromoform	10.799	173	22160	17.767	ug/l #	96
73) Isopropylbenzene	10.963	105	138683	17.900	ug/l	98
74) N-amyl acetate	10.841	43	55040	18.283	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	11.213	83	51712	19.819	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	41898m	18.457	ug/l	
77) Bromobenzene	11.195	156	35585	18.807	ug/l	92
78) n-propylbenzene	11.305	91	151885	17.606	ug/l	99
79) 2-Chlorotoluene	11.366	91	101301	18.375	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	122513	18.957	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	13232	16.281	ug/l	93
82) 4-Chlorotoluene	11.457	91	114687	18.022	ug/l	98
83) tert-Butylbenzene	11.713	119	117850	19.121	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	121527	18.606	ug/l	96
85) sec-Butylbenzene	11.890	105	135370	18.803	ug/l	99
86) p-Isopropyltoluene	12.006	119	115989	18.716	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	64004	18.067	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	64829	17.713	ug/l	98
89) n-Butylbenzene	12.329	91	89229	17.366	ug/l	99
90) Hexachloroethane	12.536	117	19736	19.079	ug/l	94
91) 1,2-Dichlorobenzene	12.335	146	67342	19.413	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	11244	18.547	ug/l	84
93) 1,2,4-Trichlorobenzene	13.585	180	37737	18.592	ug/l	97
94) Hexachlorobutadiene	13.725	225	14363	18.317	ug/l	98
95) Naphthalene	13.774	128	142364	16.012	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	38579	19.131	ug/l	96

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

