

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090123\
 Data File : VX037467.D
 Acq On : 01 Sep 2023 16:08
 Operator : JC/MD
 Sample : VX0901WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0901WBSD01

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: Sep 02 04:29:59 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	140553	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	242176	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	215933	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	107101	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	98191	48.458	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	96.920%
35) Dibromofluoromethane	5.385	113	86604	53.997	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	108.000%
50) Toluene-d8	8.647	98	300652	51.677	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	103.360%
62) 4-Bromofluorobenzene	11.079	95	119285	52.173	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	104.340%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	30379	18.607	ug/l	98
3) Chloromethane	1.294	50	26750	18.728	ug/l	95
4) Vinyl Chloride	1.374	62	30393	19.548	ug/l	99
5) Bromomethane	1.611	94	17953	23.181	ug/l	100
6) Chloroethane	1.684	64	19423	21.229	ug/l	95
7) Trichlorofluoromethane	1.886	101	49459	19.420	ug/l	97
8) Diethyl Ether	2.136	74	18934	19.216	ug/l	79
9) 1,1,2-Trichlorotrifluo...	2.331	101	28529	19.202	ug/l	98
10) Methyl Iodide	2.453	142	35605	19.717	ug/l	93
11) Tert butyl alcohol	2.971	59	41966	88.288	ug/l #	95
12) 1,1-Dichloroethene	2.318	96	27563	19.050	ug/l	85
13) Acrolein	2.239	56	23533	65.080	ug/l	99
14) Allyl chloride	2.666	41	39785	17.765	ug/l #	91
15) Acrylonitrile	3.062	53	79321	93.495	ug/l	99
16) Acetone	2.386	43	64835	81.788	ug/l	90
17) Carbon Disulfide	2.514	76	57281	15.564	ug/l	100
18) Methyl Acetate	2.703	43	54664	18.315	ug/l #	87
19) Methyl tert-butyl Ether	3.111	73	103721	18.902	ug/l	98
20) Methylene Chloride	2.788	84	33055	18.646	ug/l #	83
21) trans-1,2-Dichloroethene	3.093	96	29736	18.079	ug/l	87
22) Diisopropyl ether	3.763	45	86680	18.862	ug/l #	80
23) Vinyl Acetate	3.721	43	317144	90.058	ug/l #	92
24) 1,1-Dichloroethane	3.611	63	53934	18.715	ug/l	97
25) 2-Butanone	4.562	43	103285	86.533	ug/l #	85
26) 2,2-Dichloropropane	4.477	77	43165	16.772	ug/l	96
27) cis-1,2-Dichloroethene	4.489	96	36436	18.791	ug/l	87
28) Bromochloromethane	4.903	49	26021	20.213	ug/l #	70
29) Tetrahydrofuran	5.007	42	64885	85.241	ug/l #	80
30) Chloroform	5.092	83	60296	18.639	ug/l	97
31) Cyclohexane	5.470	56	44060	19.338	ug/l #	81
32) 1,1,1-Trichloroethane	5.385	97	52963	18.270	ug/l	96
36) 1,1-Dichloropropene	5.696	75	40719	17.870	ug/l	96
37) Ethyl Acetate	4.714	43	39933	17.156	ug/l #	92
38) Carbon Tetrachloride	5.678	117	45108	18.223	ug/l	97
39) Methylcyclohexane	7.379	83	50042	20.902	ug/l	94
40) Benzene	6.037	78	125101	19.143	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
41) Methacrylonitrile	4.916	41	21459	17.734	ug/l	#	86
42) 1,2-Dichloroethane	6.086	62	45957	17.932	ug/l		94
43) Isopropyl Acetate	6.342	43	64663	17.498	ug/l	#	89
44) Trichloroethene	7.129	130	34219	18.466	ug/l		98
45) 1,2-Dichloropropane	7.433	63	31223	19.376	ug/l		97
46) Dibromomethane	7.580	93	23081	18.182	ug/l		92
47) Bromodichloromethane	7.824	83	43176	17.757	ug/l		99
48) Methyl methacrylate	7.696	41	31478	17.466	ug/l	#	82
49) 1,4-Dioxane	7.683	88	17005	350.355	ug/l	#	86
51) 4-Methyl-2-Pentanone	8.573	43	205365	91.518	ug/l		89
52) Toluene	8.720	92	82748	19.164	ug/l		100
53) t-1,3-Dichloropropene	8.982	75	44823	17.314	ug/l		100
54) cis-1,3-Dichloropropene	8.366	75	49692	17.762	ug/l	#	86
55) 1,1,2-Trichloroethane	9.153	97	34148	19.421	ug/l		97
56) Ethyl methacrylate	9.116	69	51452	18.682	ug/l	#	82
57) 1,3-Dichloropropane	9.311	76	56262	18.982	ug/l		98
58) 2-Chloroethyl Vinyl ether	8.244	63	125717	95.121	ug/l		92
59) 2-Hexanone	9.433	43	154729	90.433	ug/l		87
60) Dibromochloromethane	9.518	129	34100	18.216	ug/l		98
61) 1,2-Dibromoethane	9.610	107	36015	18.708	ug/l		99
64) Tetrachloroethene	9.275	164	27612	17.529	ug/l		96
65) Chlorobenzene	10.079	112	88053	19.294	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.165	131	32627	19.370	ug/l		99
67) Ethyl Benzene	10.195	91	155474	19.360	ug/l		100
68) m/p-Xylenes	10.299	106	120375	38.815	ug/l		97
69) o-Xylene	10.640	106	59583	19.474	ug/l		99
70) Styrene	10.652	104	97624	19.370	ug/l		97
71) Bromoform	10.799	173	22398	17.777	ug/l	#	98
73) Isopropylbenzene	10.963	105	158533	20.365	ug/l		99
74) N-amyl acetate	10.841	43	55640	18.395	ug/l	#	88
75) 1,1,2,2-Tetrachloroethane	11.213	83	52237	19.925	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	42603m	18.678	ug/l		
77) Bromobenzene	11.195	156	36603	19.252	ug/l		92
78) n-propylbenzene	11.305	91	173154	19.976	ug/l		99
79) 2-Chlorotoluene	11.366	91	109056	19.687	ug/l		98
80) 1,3,5-Trimethylbenzene	11.451	105	133617	20.576	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	13219	16.187	ug/l		92
82) 4-Chlorotoluene	11.457	91	122088	19.093	ug/l		98
83) tert-Butylbenzene	11.713	119	134041	21.644	ug/l		97
84) 1,2,4-Trimethylbenzene	11.750	105	133629	20.361	ug/l		98
85) sec-Butylbenzene	11.890	105	164486	22.739	ug/l		99
86) p-Isopropyltoluene	12.006	119	136479	21.917	ug/l		98
87) 1,3-Dichlorobenzene	11.969	146	67862	19.065	ug/l		99
88) 1,4-Dichlorobenzene	12.042	146	69509	18.901	ug/l		100
89) n-Butylbenzene	12.329	91	110114	21.328	ug/l		99
90) Hexachloroethane	12.536	117	21610	20.791	ug/l		92
91) 1,2-Dichlorobenzene	12.335	146	69721	20.003	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	11202	18.389	ug/l		79
93) 1,2,4-Trichlorobenzene	13.585	180	42404	20.792	ug/l		97
94) Hexachlorobutadiene	13.725	225	17920	22.745	ug/l		99
95) Naphthalene	13.774	128	160853	18.005	ug/l		100
96) 1,2,3-Trichlorobenzene	13.963	180	44507	21.966	ug/l		100

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

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