

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032023\
 Data File : VX034630.D
 Acq On : 20 Mar 2023 16:08
 Operator : JC/MD
 Sample : VX0320WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0320WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/21/2023
 Supervised By : Mahesh Dadoda 03/21/2023

Quant Time: Mar 21 01:43:49 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 13 10:29:32 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.549	168	239329	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	420721	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	415133	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	195590	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	198128	56.905	ug/l	0.01
Spiked Amount 50.000	Range 78 - 117		Recovery = 113.800%			
35) Dibromofluoromethane	5.385	113	145577	52.407	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.820%			
50) Toluene-d8	8.646	98	558450	53.854	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 107.700%			
62) 4-Bromofluorobenzene	11.079	95	208108	49.685	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.360%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	47713	21.385	ug/l	99
3) Chloromethane	1.306	50	68321	19.411	ug/l	99
4) Vinyl Chloride	1.373	62	60761	20.000	ug/l	100
5) Bromomethane	1.599	94	43212	28.191	ug/l	96
6) Chloroethane	1.684	64	40510	23.159	ug/l	99
7) Trichlorofluoromethane	1.885	101	92894	20.350	ug/l	99
8) Diethyl Ether	2.135	74	38924	23.358	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.330	101	50987	19.166	ug/l	98
10) Methyl Iodide	2.452	142	76408	21.876	ug/l	97
11) Tert butyl alcohol	2.952	59	77691	107.153	ug/l	99
12) 1,1-Dichloroethene	2.318	96	50164	19.146	ug/l	98
13) Acrolein	2.233	56	59071	102.986	ug/l	100
14) Allyl chloride	2.666	41	103481	19.482	ug/l	98
15) Acrylonitrile	3.062	53	180327	115.134	ug/l	98
16) Acetone	2.379	43	164621	100.374	ug/l	99
17) Carbon Disulfide	2.513	76	121073	16.421	ug/l	97
18) Methyl Acetate	2.702	43	132497	24.724	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	211250	22.519	ug/l	98
20) Methylene Chloride	2.788	84	68169	21.416	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	57145	20.538	ug/l	98
22) Diisopropyl ether	3.757	45	224433	22.161	ug/l	96
23) Vinyl Acetate	3.720	43	831121	107.832	ug/l	99
24) 1,1-Dichloroethane	3.611	63	112939	20.746	ug/l	98
25) 2-Butanone	4.550	43	260121	110.844	ug/l	99
26) 2,2-Dichloropropane	4.476	77	85148	17.994	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	69894	20.867	ug/l	99
28) Bromochloromethane	4.897	49	64764	25.585	ug/l	99
29) Tetrahydrofuran	5.007	42	170237	117.562	ug/l	100
30) Chloroform	5.092	83	115727	21.686	ug/l	99
31) Cyclohexane	5.470	56	93967	19.244	ug/l	98
32) 1,1,1-Trichloroethane	5.385	97	92421	19.564	ug/l	99
36) 1,1-Dichloropropene	5.690	75	79018	18.520	ug/l	99
37) Ethyl Acetate	4.714	43	100599	21.583	ug/l	98
38) Carbon Tetrachloride	5.677	117	74152	17.471	ug/l	95
39) Methylcyclohexane	7.378	83	96825	18.964	ug/l	95
40) Benzene	6.037	78	247246	19.810	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.915	41	54395	21.294	ug/l	97
42) 1,2-Dichloroethane	6.086	62	102310	22.304	ug/l	99
43) Isopropyl Acetate	6.342	43	167949	21.270	ug/l	100
44) Trichloroethene	7.122	130	65388	20.163	ug/l	100
45) 1,2-Dichloropropane	7.433	63	70766	21.715	ug/l	98
46) Dibromomethane	7.586	93	50563	22.822	ug/l	96
47) Bromodichloromethane	7.823	83	93190	21.733	ug/l	98
48) Methyl methacrylate	7.689	41	91371	24.060	ug/l	97
49) 1,4-Dioxane	7.659	88	39870	499.846	ug/l	95
51) 4-Methyl-2-Pentanone	8.573	43	559138	122.066	ug/l	98
52) Toluene	8.720	92	166365	21.530	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	102904	21.302	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	111323	21.300	ug/l	97
55) 1,1,2-Trichloroethane	9.152	97	70939	23.132	ug/l	98
56) Ethyl methacrylate	9.116	69	115280	22.895	ug/l	97
57) 1,3-Dichloropropane	9.311	76	126878	23.279	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	287924	110.959	ug/l	99
59) 2-Hexanone	9.427	43	427921	120.851	ug/l	99
60) Dibromochloromethane	9.518	129	66903	20.801	ug/l	100
61) 1,2-Dibromoethane	9.610	107	75096	22.693	ug/l	99
64) Tetrachloroethene	9.274	164	52647	18.879	ug/l	96
65) Chlorobenzene	10.079	112	181040	19.876	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.164	131	63576	19.165	ug/l	97
67) Ethyl Benzene	10.195	91	309949	19.008	ug/l	97
68) m/p-Xylenes	10.299	106	224222	35.796	ug/l	98
69) o-Xylene	10.640	106	114414	18.201	ug/l	100
70) Styrene	10.658	104	188727	18.609	ug/l	99
71) Bromoform	10.798	173	39525	15.478	ug/l #	99
73) Isopropylbenzene	10.963	105	282898	18.714	ug/l	100
74) N-amyl acetate	10.841	43	150715	20.816	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	106097	21.033	ug/l	99
76) 1,2,3-Trichloropropane	11.237	75	86781m	19.323	ug/l	
77) Bromobenzene	11.201	156	71977	19.846	ug/l	98
78) n-propylbenzene	11.304	91	335148	19.197	ug/l	98
79) 2-Chlorotoluene	11.365	91	210352	19.509	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	246427	19.435	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	25835	15.563	ug/l	86
82) 4-Chlorotoluene	11.457	91	245251	19.747	ug/l	99
83) tert-Butylbenzene	11.713	119	235166	18.395	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	254410	19.633	ug/l	98
85) sec-Butylbenzene	11.890	105	286429	18.327	ug/l	99
86) p-Isopropyltoluene	12.012	119	245255	18.671	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	131729	18.537	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	137015	19.068	ug/l	98
89) n-Butylbenzene	12.329	91	215337	18.441	ug/l	99
90) Hexachloroethane	12.536	117	36003	14.813	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	138943	20.232	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.944	75	22995	20.064	ug/l	96
93) 1,2,4-Trichlorobenzene	13.585	180	81483	18.974	ug/l	98
94) Hexachlorobutadiene	13.725	225	30661	17.722	ug/l	97
95) Naphthalene	13.774	128	314494	21.838	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	82787	19.721	ug/l	99

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

