

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051023\
 Data File : VX035584.D
 Acq On : 10 May 2023 14:17
 Operator : JC/MD
 Sample : VX0510WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0510WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/11/2023
 Supervised By : Mahesh Dadoda 05/11/2023

Quant Time: May 11 04:18:39 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042523W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 16:31:40 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	299168	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	463919	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	414786	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	211634	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	153859	42.629	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	85.260%		
35) Dibromofluoromethane	5.385	113	142713	50.120	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	100.240%		
50) Toluene-d8	8.647	98	513831	47.837	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	95.680%		
62) 4-Bromofluorobenzene	11.079	95	204072	50.504	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	101.000%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	51396	16.236	ug/l	100
3) Chloromethane	1.294	50	54837	19.042	ug/l	99
4) Vinyl Chloride	1.374	62	49091	16.997	ug/l	99
5) Bromomethane	1.611	94	25576	13.323	ug/l	100
6) Chloroethane	1.691	64	28317	16.763	ug/l	100
7) Trichlorofluoromethane	1.886	101	77614	17.184	ug/l	98
8) Diethyl Ether	2.130	74	29100	17.671	ug/l	91
9) 1,1,2-Trichlorotrifluo...	2.331	101	55588	18.427	ug/l	93
10) Methyl Iodide	2.453	142	49468	12.993	ug/l	98
11) Tert butyl alcohol	2.983	59	54577m	83.047	ug/l	
12) 1,1-Dichloroethene	2.319	96	53886	18.545	ug/l	89
13) Acrolein	2.239	56	60793	94.065	ug/l	98
14) Allyl chloride	2.666	41	91649	17.923	ug/l	94
15) Acrylonitrile	3.062	53	150206	91.384	ug/l	100
16) Acetone	2.386	43	132871	84.762	ug/l	94
17) Carbon Disulfide	2.514	76	117965	16.935	ug/l	99
18) Methyl Acetate	2.703	43	112610	18.577	ug/l	94
19) Methyl tert-butyl Ether	3.111	73	193469	19.408	ug/l	96
20) Methylene Chloride	2.788	84	64620	17.978	ug/l	89
21) trans-1,2-Dichloroethene	3.093	96	59601	18.886	ug/l	91
22) Diisopropyl ether	3.757	45	188251	18.604	ug/l	90
23) Vinyl Acetate	3.721	43	639511	91.945	ug/l	97
24) 1,1-Dichloroethane	3.611	63	106368	18.662	ug/l	98
25) 2-Butanone	4.556	43	199510	87.197	ug/l #	90
26) 2,2-Dichloropropane	4.477	77	85981	19.255	ug/l	96
27) cis-1,2-Dichloroethene	4.489	96	72187	19.460	ug/l	91
28) Bromochloromethane	4.897	49	51190	21.075	ug/l #	75
29) Tetrahydrofuran	5.007	42	127598	86.995	ug/l	91
30) Chloroform	5.093	83	111040	19.298	ug/l	100
31) Cyclohexane	5.471	56	94699	18.496	ug/l	94
32) 1,1,1-Trichloroethane	5.385	97	94993	18.838	ug/l	96
36) 1,1-Dichloropropene	5.690	75	81954	18.433	ug/l	97
37) Ethyl Acetate	4.708	43	76156	18.754	ug/l #	94
38) Carbon Tetrachloride	5.678	117	80364	19.041	ug/l	98
39) Methylcyclohexane	7.379	83	104501	19.309	ug/l	97
40) Benzene	6.038	78	248730	19.502	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	43852	18.846	ug/l	94
42) 1,2-Dichloroethane	6.086	62	82711	18.188	ug/l	94
43) Isopropyl Acetate	6.336	43	129835	19.028	ug/l	94
44) Trichloroethene	7.123	130	72009	20.495	ug/l	93
45) 1,2-Dichloropropane	7.428	63	63509	19.751	ug/l	93
46) Dibromomethane	7.580	93	42960	19.455	ug/l #	89
47) Bromodichloromethane	7.818	83	81425	20.014	ug/l	99
48) Methyl methacrylate	7.690	41	63270	18.903	ug/l	87
49) 1,4-Dioxane	7.702	88	25992	318.588	ug/l	94
51) 4-Methyl-2-Pentanone	8.574	43	395539	94.355	ug/l	94
52) Toluene	8.714	92	162384	20.086	ug/l	97
53) t-1,3-Dichloropropene	8.976	75	87646	20.629	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	99940	20.811	ug/l #	89
55) 1,1,2-Trichloroethane	9.153	97	65973	20.470	ug/l	98
56) Ethyl methacrylate	9.116	69	95122	19.813	ug/l #	86
57) 1,3-Dichloropropane	9.305	76	106946	19.401	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	266970	111.210	ug/l	91
59) 2-Hexanone	9.427	43	295112	93.709	ug/l	92
60) Dibromochloromethane	9.519	129	65183	21.109	ug/l	99
61) 1,2-Dibromoethane	9.610	107	67493	20.314	ug/l	98
64) Tetrachloroethene	9.275	164	60051	18.908	ug/l	96
65) Chlorobenzene	10.079	112	176933	19.716	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	64179	20.549	ug/l	98
67) Ethyl Benzene	10.195	91	310001	19.947	ug/l	98
68) m/p-Xylenes	10.299	106	244804	41.109	ug/l	96
69) o-Xylene	10.640	106	121954	20.884	ug/l	97
70) Styrene	10.653	104	201220	21.252	ug/l	95
71) Bromoform	10.799	173	47619	21.920	ug/l #	99
73) Isopropylbenzene	10.963	105	319181	20.632	ug/l	99
74) N-amyl acetate	10.842	43	111642	19.203	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.213	83	96944	20.189	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	78399m	18.571	ug/l	
77) Bromobenzene	11.195	156	79878	20.772	ug/l	87
78) n-propylbenzene	11.305	91	351339	19.774	ug/l	97
79) 2-Chlorotoluene	11.366	91	214179	19.291	ug/l	95
80) 1,3,5-Trimethylbenzene	11.451	105	268564	20.589	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.018	75	26091	20.017	ug/l	97
82) 4-Chlorotoluene	11.451	91	245652	19.700	ug/l	94
83) tert-Butylbenzene	11.713	119	271404	20.736	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	272402	20.784	ug/l	99
85) sec-Butylbenzene	11.890	105	330670	20.597	ug/l	98
86) p-Isopropyltoluene	12.006	119	286947	21.015	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	148824	20.364	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	147961	19.310	ug/l	99
89) n-Butylbenzene	12.329	91	232546	20.175	ug/l	98
90) Hexachloroethane	12.536	117	42011	20.099	ug/l	87
91) 1,2-Dichlorobenzene	12.335	146	148836	20.363	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	18072	18.770	ug/l	72
93) 1,2,4-Trichlorobenzene	13.585	180	97086	21.131	ug/l	99
94) Hexachlorobutadiene	13.725	225	41346	20.505	ug/l	96
95) Naphthalene	13.774	128	299899	21.203	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	95649	20.681	ug/l	98

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

