

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012423\
 Data File : VX033866.D
 Acq On : 24 Jan 2023 12:53
 Operator : JC/MD
 Sample : VX0124WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0124WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/25/2023
 Supervised By : Mahesh Dadoda 01/26/2023

Quant Time: Jan 25 03:15:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011123W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 11 14:48:42 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.549	168	161713	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.756	114	227902	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	205402	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	108834	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	78927	46.354	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 92.700%			
35) Dibromofluoromethane	5.385	113	73644	52.040	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.080%			
50) Toluene-d8	8.646	98	261806	50.776	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.560%			
62) 4-Bromofluorobenzene	11.079	95	97411	50.884	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.760%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	22819	17.856	ug/l	100
3) Chloromethane	1.294	50	26837	19.010	ug/l	100
4) Vinyl Chloride	1.373	62	26591	19.411	ug/l	98
5) Bromomethane	1.617	94	16613	21.106	ug/l	96
6) Chloroethane	1.690	64	13478	15.914	ug/l	99
7) Trichlorofluoromethane	1.891	101	40073	18.038	ug/l	97
8) Diethyl Ether	2.129	74	16483	22.660	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.330	101	25847	20.617	ug/l	93
10) Methyl Iodide	2.452	142	34595	19.260	ug/l	92
11) Tert butyl alcohol	2.989	59	23523m	79.526	ug/l	
12) 1,1-Dichloroethene	2.324	96	24631	18.719	ug/l	85
13) Acrolein	2.233	56	28870	105.785	ug/l	99
14) Allyl chloride	2.666	41	43437	17.502	ug/l	89
15) Acrylonitrile	3.062	53	73460	94.367	ug/l	99
16) Acetone	2.385	43	63753	95.366	ug/l	94
17) Carbon Disulfide	2.513	76	56784	18.253	ug/l	100
18) Methyl Acetate	2.702	43	45042	18.955	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	85500	18.709	ug/l	96
20) Methylene Chloride	2.788	84	29013	17.993	ug/l	96
21) trans-1,2-Dichloroethene	3.092	96	27066	17.595	ug/l	97
22) Diisopropyl ether	3.757	45	90052	18.034	ug/l	95
23) Vinyl Acetate	3.720	43	339646	90.356	ug/l	98
24) 1,1-Dichloroethane	3.611	63	48957	17.920	ug/l	98
25) 2-Butanone	4.556	43	97549	87.684	ug/l	98
26) 2,2-Dichloropropane	4.470	77	34150	17.451	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	32480	18.366	ug/l	96
28) Bromochloromethane	4.897	49	26010	20.901	ug/l	96
29) Tetrahydrofuran	5.007	42	62774	89.527	ug/l	98
30) Chloroform	5.092	83	51718	18.483	ug/l	99
31) Cyclohexane	5.470	56	42819	17.090	ug/l	95
32) 1,1,1-Trichloroethane	5.379	97	42211	17.669	ug/l	98
36) 1,1-Dichloropropene	5.690	75	35698	17.284	ug/l	99
37) Ethyl Acetate	4.708	43	38825	17.864	ug/l	100
38) Carbon Tetrachloride	5.671	117	38551	18.022	ug/l	97
39) Methylcyclohexane	7.378	83	44862	17.589	ug/l	96
40) Benzene	6.037	78	109843	18.246	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.915	41	21789	19.144	ug/l	97
42) 1,2-Dichloroethane	6.086	62	38404	18.001	ug/l	99
43) Isopropyl Acetate	6.336	43	60891	18.675	ug/l	99
44) Trichloroethene	7.122	130	32152	19.099	ug/l	98
45) 1,2-Dichloropropane	7.427	63	28658	19.003	ug/l	100
46) Dibromomethane	7.580	93	19958	18.947	ug/l	97
47) Bromodichloromethane	7.817	83	39163	19.292	ug/l	95
48) Methyl methacrylate	7.689	41	30265	18.427	ug/l	96
49) 1,4-Dioxane	7.695	88	11519	317.059	ug/l #	95
51) 4-Methyl-2-Pentanone	8.573	43	191724	95.745	ug/l	99
52) Toluene	8.720	92	72465	18.640	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	39144	19.282	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	44033	19.357	ug/l	98
55) 1,1,2-Trichloroethane	9.152	97	30809	20.021	ug/l	96
56) Ethyl methacrylate	9.116	69	43129	19.915	ug/l	96
57) 1,3-Dichloropropane	9.305	76	48599	19.476	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.238	63	98471	92.325	ug/l	99
59) 2-Hexanone	9.427	43	140822	101.039	ug/l	99
60) Dibromochloromethane	9.518	129	33784	21.176	ug/l	99
61) 1,2-Dibromoethane	9.610	107	32034	20.859	ug/l	97
64) Tetrachloroethene	9.274	164	30353	20.078	ug/l	97
65) Chlorobenzene	10.079	112	80977	19.044	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.164	131	31008	19.815	ug/l	99
67) Ethyl Benzene	10.195	91	136746	18.730	ug/l	98
68) m/p-Xylenes	10.299	106	109542	38.360	ug/l	98
69) o-Xylene	10.640	106	54060	19.089	ug/l	98
70) Styrene	10.658	104	89293	19.388	ug/l	98
71) Bromoform	10.798	173	26770	20.414	ug/l #	99
73) Isopropylbenzene	10.963	105	140424	18.000	ug/l	99
74) N-amyl acetate	10.841	43	49393	17.283	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	43328	18.577	ug/l	99
76) 1,2,3-Trichloropropane	11.237	75	38281m	19.144	ug/l	
77) Bromobenzene	11.195	156	38350	18.405	ug/l	98
78) n-propylbenzene	11.304	91	155625	17.524	ug/l	99
79) 2-Chlorotoluene	11.365	91	93623	17.582	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	117674	17.969	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	11805	18.347	ug/l	98
82) 4-Chlorotoluene	11.451	91	106995	17.554	ug/l	98
83) tert-Butylbenzene	11.713	119	123712	19.025	ug/l	98
84) 1,2,4-Trimethylbenzene	11.749	105	116227	18.762	ug/l	99
85) sec-Butylbenzene	11.890	105	145016	18.646	ug/l	99
86) p-Isopropyltoluene	12.006	119	128185	19.251	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	70190	19.087	ug/l	100
88) 1,4-Dichlorobenzene	12.042	146	70271	18.758	ug/l	99
89) n-Butylbenzene	12.335	91	101652	18.661	ug/l	99
90) Hexachloroethane	12.536	117	21298	19.445	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	68055	19.178	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.944	75	8447	19.020	ug/l	96
93) 1,2,4-Trichlorobenzene	13.585	180	47515	19.878	ug/l	100
94) Hexachlorobutadiene	13.725	225	22820	19.489	ug/l	100
95) Naphthalene	13.774	128	136842	19.899	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	47756	19.967	ug/l	100

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

