

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX083123\
 Data File : VX037431.D
 Acq On : 31 Aug 2023 15:29
 Operator : JC/MD
 Sample : VX0831WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0831WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/01/2023
 Supervised By : Mahesh Dadoda 09/01/2023

Quant Time: Sep 01 03:12:28 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	126763	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	219104	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	204259	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	108467	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	92418	50.570	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 101.140%			
35) Dibromofluoromethane	5.385	113	78778	54.289	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.580%			
50) Toluene-d8	8.647	98	271367	51.555	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 103.120%			
62) 4-Bromofluorobenzene	11.079	95	113803	55.017	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 110.040%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	26989	18.329	ug/l	99
3) Chloromethane	1.301	50	26329	20.438	ug/l	97
4) Vinyl Chloride	1.374	62	26273	18.737	ug/l	96
5) Bromomethane	1.599	94	15027	21.514	ug/l	96
6) Chloroethane	1.678	64	17906	21.700	ug/l	94
7) Trichlorofluoromethane	1.886	101	41080	17.884	ug/l	98
8) Diethyl Ether	2.130	74	17388	19.566	ug/l	78
9) 1,1,2-Trichlorotrifluo...	2.325	101	25353	18.920	ug/l	97
10) Methyl Iodide	2.447	142	28358	17.412	ug/l	93
11) Tert butyl alcohol	2.959	59	40190	93.750	ug/l #	93
12) 1,1-Dichloroethene	2.313	96	23283	17.843	ug/l	86
13) Acrolein	2.233	56	23114	70.875	ug/l	97
14) Allyl chloride	2.660	41	36396	18.020	ug/l #	91
15) Acrylonitrile	3.062	53	78258	102.276	ug/l	99
16) Acetone	2.380	43	72118	100.873	ug/l #	87
17) Carbon Disulfide	2.508	76	52390	15.784	ug/l	99
18) Methyl Acetate	2.703	43	52779	19.607	ug/l #	87
19) Methyl tert-butyl Ether	3.111	73	93895	18.973	ug/l	98
20) Methylene Chloride	2.788	84	32577	20.376	ug/l #	82
21) trans-1,2-Dichloroethene	3.093	96	26735	18.023	ug/l	84
22) Diisopropyl ether	3.763	45	78687	18.985	ug/l #	83
23) Vinyl Acetate	3.721	43	298521	93.991	ug/l #	90
24) 1,1-Dichloroethane	3.611	63	48673	18.727	ug/l	97
25) 2-Butanone	4.556	43	103775	96.401	ug/l #	86
26) 2,2-Dichloropropane	4.471	77	39658	17.086	ug/l	96
27) cis-1,2-Dichloroethene	4.489	96	32623	18.655	ug/l	89
28) Bromochloromethane	4.897	49	24060	20.723	ug/l #	73
29) Tetrahydrofuran	5.001	42	64682	94.219	ug/l #	82
30) Chloroform	5.093	83	54547	18.696	ug/l	98
31) Cyclohexane	5.477	56	37429	18.215	ug/l	94
32) 1,1,1-Trichloroethane	5.379	97	45730	17.491	ug/l	97
36) 1,1-Dichloropropene	5.690	75	36265	17.591	ug/l	97
37) Ethyl Acetate	4.708	43	39391	18.705	ug/l #	93
38) Carbon Tetrachloride	5.678	117	39313	17.555	ug/l	97
39) Methylcyclohexane	7.379	83	44155	20.386	ug/l	90
40) Benzene	6.037	78	112840	19.085	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	21764	19.880	ug/l #	88
42) 1,2-Dichloroethane	6.086	62	43018	18.553	ug/l	94
43) Isopropyl Acetate	6.342	43	62277	18.627	ug/l #	91
44) Trichloroethene	7.123	130	30366	18.112	ug/l	97
45) 1,2-Dichloropropane	7.427	63	28890	19.817	ug/l	99
46) Dibromomethane	7.580	93	22550	19.635	ug/l	93
47) Bromodichloromethane	7.818	83	40718	18.510	ug/l	99
48) Methyl methacrylate	7.696	41	30587	18.759	ug/l #	85
49) 1,4-Dioxane	7.659	88	18375	418.447	ug/l #	88
51) 4-Methyl-2-Pentanone	8.574	43	201803	99.400	ug/l	89
52) Toluene	8.720	92	73814	18.895	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	42129	17.987	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	46716	18.457	ug/l #	85
55) 1,1,2-Trichloroethane	9.153	97	32459	20.405	ug/l	97
56) Ethyl methacrylate	9.116	69	48212	19.349	ug/l #	84
57) 1,3-Dichloropropane	9.305	76	54088	20.170	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	123421	103.217	ug/l	93
59) 2-Hexanone	9.427	43	155446	100.418	ug/l	88
60) Dibromochloromethane	9.519	129	32318	19.082	ug/l	99
61) 1,2-Dibromoethane	9.610	107	34116	19.588	ug/l	99
64) Tetrachloroethene	9.275	164	24243	16.269	ug/l	98
65) Chlorobenzene	10.079	112	81252	18.821	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	29772	18.685	ug/l	98
67) Ethyl Benzene	10.195	91	141100	18.575	ug/l	99
68) m/p-Xylenes	10.299	106	110265	37.588	ug/l	99
69) o-Xylene	10.640	106	55946	19.330	ug/l	98
70) Styrene	10.652	104	91697	19.233	ug/l	98
71) Bromoform	10.799	173	22296	18.707	ug/l #	99
73) Isopropylbenzene	10.963	105	144300	18.303	ug/l	99
74) N-amyl acetate	10.841	43	53010	17.304	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	11.213	83	52443	19.752	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	42816m	18.535	ug/l	
77) Bromobenzene	11.195	156	35912	18.651	ug/l	92
78) n-propylbenzene	11.305	91	162252	18.482	ug/l	99
79) 2-Chlorotoluene	11.366	91	102721	18.310	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	125568	19.093	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	12665	15.313	ug/l	95
82) 4-Chlorotoluene	11.457	91	116542	17.996	ug/l	97
83) tert-Butylbenzene	11.713	119	123709	19.724	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	125317	18.854	ug/l	98
85) sec-Butylbenzene	11.890	105	151689	20.705	ug/l	99
86) p-Isopropyltoluene	12.012	119	128257	20.337	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	66434	18.429	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	68917	18.504	ug/l	100
89) n-Butylbenzene	12.335	91	104107	19.911	ug/l	99
90) Hexachloroethane	12.536	117	21194	20.134	ug/l	94
91) 1,2-Dichlorobenzene	12.335	146	69250	19.618	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	11715	18.989	ug/l	87
93) 1,2,4-Trichlorobenzene	13.585	180	41200	19.947	ug/l	97
94) Hexachlorobutadiene	13.725	225	18132	22.724	ug/l	96
95) Naphthalene	13.774	128	149128	16.483	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	41564	20.255	ug/l	98

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

