

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082223\
 Data File : VX037167.D
 Acq On : 22 Aug 2023 21:12
 Operator : JC/MD
 Sample : 04051-06MSD
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT180D-20230816MSD

Quant Time: Aug 23 01:49:34 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

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/23/2023
 Supervised By :Semsettin Yesilyurt 08/23/2023

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	46026	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	95877	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	101236	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	55067	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	54184	81.658	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 163.320%#			
35) Dibromofluoromethane	5.391	113	40237	63.368	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 126.740%#			
50) Toluene-d8	8.653	98	126694	55.006	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 110.020%			
62) 4-Bromofluorobenzene	11.079	95	58214	64.314	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 128.620%#			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	20900	39.091	ug/l	100
3) Chloromethane	1.294	50	30158	64.476	ug/l	99
4) Vinyl Chloride	1.373	62	23674	46.499	ug/l	98
5) Bromomethane	1.617	94	21666	85.432	ug/l	98
6) Chloroethane	1.690	64	20637	68.881	ug/l	96
7) Trichlorofluoromethane	1.892	101	38088	45.669	ug/l	99
8) Diethyl Ether	2.136	74	26379	81.754	ug/l	77
9) 1,1,2-Trichlorotrifluo...	2.331	101	19354	39.779	ug/l	97
10) Methyl Iodide	2.453	142	39283	66.432	ug/l	96
11) Tert butyl alcohol	3.007	59	94625	607.923	ug/l #	95
12) 1,1-Dichloroethene	2.318	96	21807	46.027	ug/l	89
13) Acrolein	2.245	56	35837	302.647	ug/l	100
14) Allyl chloride	2.666	41	46007	62.736	ug/l	92
15) Acrylonitrile	3.068	53	155087	558.227	ug/l	99
16) Acetone	2.398	43	156050	601.149	ug/l	92
17) Carbon Disulfide	2.514	76	53976	44.788	ug/l	100
18) Methyl Acetate	2.709	43	75066	76.802	ug/l #	88
19) Methyl tert-butyl Ether	3.117	73	145859	81.172	ug/l	96
20) Methylene Chloride	2.794	84	40045	68.982	ug/l #	85
21) trans-1,2-Dichloroethene	3.093	96	28825	53.519	ug/l	88
22) Diisopropyl ether	3.763	45	109250	72.599	ug/l #	85
23) Vinyl Acetate	3.727	43	336229	291.565	ug/l #	90
24) 1,1-Dichloroethane	3.611	63	59513	63.065	ug/l	97
25) 2-Butanone	4.568	43	222129	568.310	ug/l #	88
26) 2,2-Dichloropropane	4.477	77	15896	18.862	ug/l	84
27) cis-1,2-Dichloroethene	4.495	96	41406	65.212	ug/l	83
28) Bromochloromethane	4.897	49	35111	83.288	ug/l #	77
29) Tetrahydrofuran	5.013	42	136157	546.240	ug/l #	84
30) Chloroform	5.098	83	70379	66.437	ug/l	96
31) Cyclohexane	5.476	56	30615	41.033	ug/l	88
32) 1,1,1-Trichloroethane	5.385	97	48094	50.663	ug/l	97
36) 1,1-Dichloropropene	5.696	75	36077	39.991	ug/l	98
37) Ethyl Acetate	4.720	43	56151	60.933	ug/l	96
38) Carbon Tetrachloride	5.678	117	38764	39.557	ug/l	97
39) Methylcyclohexane	7.379	83	33946	35.815	ug/l	90
40) Benzene	6.037	78	134873	52.129	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	39511	82.477	ug/l #	88
42) 1,2-Dichloroethane	6.086	62	66231	65.277	ug/l	96
43) Isopropyl Acetate	6.342	43	91854	62.783	ug/l #	92
44) Trichloroethene	7.129	130	34217	46.640	ug/l	97
45) 1,2-Dichloropropane	7.433	63	38171	59.834	ug/l	100
46) Dibromomethane	7.580	93	34052	67.757	ug/l	94
47) Bromodichloromethane	7.824	83	59116	61.413	ug/l	97
48) Methyl methacrylate	7.696	41	53208	74.574	ug/l #	87
49) 1,4-Dioxane	7.720	88	44576	2319.795	ug/l #	86
51) 4-Methyl-2-Pentanone	8.573	43	380785	428.623	ug/l	91
52) Toluene	8.720	92	86692	50.713	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	58147	56.732	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	58392	52.720	ug/l	90
55) 1,1,2-Trichloroethane	9.153	97	47456	68.175	ug/l	97
56) Ethyl methacrylate	9.116	69	77137	70.747	ug/l	88
57) 1,3-Dichloropropane	9.311	76	80449	68.558	ug/l	99
59) 2-Hexanone	9.433	43	307650	454.179	ug/l	89
60) Dibromochloromethane	9.518	129	50516	68.161	ug/l	99
61) 1,2-Dibromoethane	9.610	107	53394	70.059	ug/l	99
64) Tetrachloroethene	9.275	164	22895	31.001	ug/l	97
65) Chlorobenzene	10.079	112	103871	48.546	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	41479	52.525	ug/l	99
67) Ethyl Benzene	10.195	91	163499	43.426	ug/l	100
68) m/p-Xylenes	10.299	106	126214	86.808	ug/l	99
69) o-Xylene	10.640	106	67686	47.185	ug/l	99
70) Styrene	10.652	104	120644	51.057	ug/l	97
71) Bromoform	10.799	173	38151	64.586	ug/l #	99
73) Isopropylbenzene	10.963	105	150759	37.666	ug/l	99
74) N-amyl acetate	10.841	43	65781	42.296	ug/l	92
75) 1,1,2,2-Tetrachloroethane	11.213	83	83303	61.799	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	70516m	60.129	ug/l	
77) Bromobenzene	11.195	156	48040	49.144	ug/l	94
78) n-propylbenzene	11.305	91	170448	38.244	ug/l	99
79) 2-Chlorotoluene	11.366	91	122362	42.962	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	136797	40.971	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	18498	44.055	ug/l	90
82) 4-Chlorotoluene	11.457	91	144863	44.062	ug/l	98
83) tert-Butylbenzene	11.713	119	132227	41.526	ug/l	94
84) 1,2,4-Trimethylbenzene	11.750	105	147377	43.675	ug/l	98
85) sec-Butylbenzene	11.890	105	142461	38.303	ug/l	99
86) p-Isopropyltoluene	12.006	119	128054	39.995	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	85826	46.896	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	88991	47.064	ug/l	99
89) n-Butylbenzene	12.335	91	101500	38.237	ug/l	98
90) Hexachloroethane	12.536	117	22628	42.343	ug/l	94
91) 1,2-Dichlorobenzene	12.335	146	90049	50.247	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	23437	74.829	ug/l	84
93) 1,2,4-Trichlorobenzene	13.585	180	54325	51.807	ug/l	97
94) Hexachlorobutadiene	13.725	225	12924	31.903	ug/l	98
95) Naphthalene	13.774	128	253084	55.099	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	56359	54.098	ug/l	99

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

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

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