

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061722\
 Data File : VX029546.D
 Acq On : 17 Jun 2022 17:15
 Operator : JC/MD
 Sample : VX0617WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0617WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/20/2022
 Supervised By : Mahesh Dadoda 06/20/2022

Quant Time: Jun 18 01:51:04 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060722W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 08 03:00:38 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.555	168	170565	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	273151	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	283892	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	179989	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	120043	46.098	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	92.200%		
35) Dibromofluoromethane	5.385	113	103839	44.716	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	89.440%		
50) Toluene-d8	8.652	98	384762	46.849	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	93.700%		
62) 4-Bromofluorobenzene	11.085	95	152006	47.295	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	94.600%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	45818	16.922	ug/l	100
3) Chloromethane	1.288	50	50996	17.647	ug/l	99
4) Vinyl Chloride	1.373	62	50554	16.856	ug/l	98
5) Bromomethane	1.605	94	24487	15.244	ug/l	95
6) Chloroethane	1.684	64	31797	22.625	ug/l	99
7) Trichlorofluoromethane	1.885	101	75548	17.286	ug/l	98
8) Diethyl Ether	2.135	74	31251	18.345	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.324	101	48387	18.369	ug/l	98
10) Methyl Iodide	2.452	142	39390	13.053	ug/l	95
11) Tert butyl alcohol	2.971	59	68771	69.309	ug/l	97
12) 1,1-Dichloroethene	2.318	96	44927	17.522	ug/l	96
13) Acrolein	2.233	56	16506	52.403	ug/l	98
14) Allyl chloride	2.660	41	75073	18.240	ug/l	96
15) Acrylonitrile	3.062	53	154368	95.125	ug/l	99
16) Acetone	2.379	43	140381	101.739	ug/l	98
17) Carbon Disulfide	2.507	76	100739	15.962	ug/l	99
18) Methyl Acetate	2.702	43	69003	18.876	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	171149	19.336	ug/l	99
20) Methylene Chloride	2.788	84	53373	17.321	ug/l	99
21) trans-1,2-Dichloroethene	3.092	96	50887	17.683	ug/l	97
22) Diisopropyl ether	3.763	45	156736	18.865	ug/l	93
23) Vinyl Acetate	3.720	43	661837	96.091	ug/l	97
24) 1,1-Dichloroethane	3.611	63	91672	18.294	ug/l	99
25) 2-Butanone	4.556	43	215258	98.621	ug/l	96
26) 2,2-Dichloropropane	4.476	77	73133	20.471	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	59249	17.405	ug/l	99
28) Bromochloromethane	4.897	49	36346	18.451	ug/l	99
29) Tetrahydrofuran	5.007	42	134986	94.894	ug/l	95
30) Chloroform	5.098	83	98602	18.234	ug/l	98
31) Cyclohexane	5.464	56	80880	17.492	ug/l	96
32) 1,1,1-Trichloroethane	5.385	97	87419	18.764	ug/l	97
36) 1,1-Dichloropropene	5.690	75	71630	18.673	ug/l	98
37) Ethyl Acetate	4.714	43	77911	19.676	ug/l	100
38) Carbon Tetrachloride	5.677	117	72123	18.395	ug/l	95
39) Methylcyclohexane	7.378	83	90206	19.092	ug/l	93
40) Benzene	6.037	78	208470	18.255	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.921	41	42060	18.666	ug/l	95
42) 1,2-Dichloroethane	6.086	62	73410	18.506	ug/l	99
43) Isopropyl Acetate	6.342	43	119304	20.055	ug/l	99
44) Trichloroethene	7.128	130	60723	19.530	ug/l	97
45) 1,2-Dichloropropane	7.433	63	53287	18.980	ug/l	97
46) Dibromomethane	7.586	93	39371	19.357	ug/l	93
47) Bromodichloromethane	7.823	83	75426	19.648	ug/l	100
48) Methyl methacrylate	7.695	41	59148	19.769	ug/l	91
49) 1,4-Dioxane	7.671	88	32197	418.346	ug/l	98
51) 4-Methyl-2-Pentanone	8.573	43	401032	103.008	ug/l	96
52) Toluene	8.720	92	140867	19.216	ug/l	97
53) t-1,3-Dichloropropene	8.982	75	76465	19.153	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	85445	19.826	ug/l	94
55) 1,1,2-Trichloroethane	9.152	97	57765	19.480	ug/l	99
56) Ethyl methacrylate	9.116	69	88155	20.434	ug/l	93
57) 1,3-Dichloropropane	9.311	76	96087	19.223	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	213510	101.875	ug/l	98
59) 2-Hexanone	9.433	43	311634	105.281	ug/l	96
60) Dibromochloromethane	9.524	129	55893	19.483	ug/l	97
61) 1,2-Dibromoethane	9.610	107	60994	19.284	ug/l	99
64) Tetrachloroethene	9.274	164	53704	19.946	ug/l	96
65) Chlorobenzene	10.079	112	151137	19.311	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.164	131	53701	19.713	ug/l	99
67) Ethyl Benzene	10.195	91	276342	20.092	ug/l	100
68) m/p-Xylenes	10.305	106	213683	40.155	ug/l	99
69) o-Xylene	10.646	106	104586	20.226	ug/l	98
70) Styrene	10.658	104	176609	20.464	ug/l	98
71) Bromoform	10.798	173	38594	19.948	ug/l #	100
73) Isopropylbenzene	10.963	105	277881	19.611	ug/l	99
74) N-amyl acetate	10.847	43	98849	20.607	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.213	83	91762	19.188	ug/l	99
76) 1,2,3-Trichloropropane	11.243	75	82533m	19.632	ug/l	
77) Bromobenzene	11.201	156	63411	19.059	ug/l	94
78) n-propylbenzene	11.304	91	318850	19.830	ug/l	100
79) 2-Chlorotoluene	11.365	91	196466	19.841	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	240549	19.993	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.024	75	23968	19.152	ug/l #	87
82) 4-Chlorotoluene	11.457	91	224181	19.614	ug/l	99
83) tert-Butylbenzene	11.719	119	232193	19.889	ug/l	93
84) 1,2,4-Trimethylbenzene	11.756	105	237719	20.017	ug/l	99
85) sec-Butylbenzene	11.890	105	295028	20.580	ug/l	100
86) p-Isopropyltoluene	12.012	119	248861	20.707	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	124201	19.560	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	125986	19.509	ug/l	97
89) n-Butylbenzene	12.335	91	213331	21.054	ug/l	99
90) Hexachloroethane	12.542	117	33444	17.504	ug/l	88
91) 1,2-Dichlorobenzene	12.335	146	125221	19.889	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.944	75	20068	20.177	ug/l	96
93) 1,2,4-Trichlorobenzene	13.591	180	79007	21.261	ug/l	97
94) Hexachlorobutadiene	13.725	225	30498	19.741	ug/l	98
95) Naphthalene	13.780	128	283195	21.592	ug/l	100
96) 1,2,3-Trichlorobenzene	13.962	180	75943	20.495	ug/l	96

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

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