

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082223\
 Data File : VY015235.D
 Acq On : 22 Aug 2023 11:32
 Operator : SY/MD
 Sample : VY0822SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0822SBS01

Quant Time: Aug 22 14:26:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 14 12:43:26 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Romaben Patel 08/23/2023
 Supervised By :Mahesh Dadoda 08/23/2023

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	172458	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	277970	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	251603	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	128443	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	105604	51.012	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.020%			
35) Dibromofluoromethane	7.716	113	89866	50.253	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.500%			
50) Toluene-d8	10.179	98	333987	50.171	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.340%			
62) 4-Bromofluorobenzene	12.483	95	117287	48.238	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 96.480%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	17819	21.234	ug/l	100
3) Chloromethane	2.107	50	21789	18.771	ug/l	97
4) Vinyl Chloride	2.247	62	26166	19.067	ug/l	99
5) Bromomethane	2.631	94	17221	15.850	ug/l	96
6) Chloroethane	2.778	64	20201	20.275	ug/l	99
7) Trichlorofluoromethane	3.113	101	49304	21.322	ug/l	98
8) Diethyl Ether	3.527	74	18589	20.498	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.887	101	29982	20.863	ug/l	97
10) Methyl Iodide	4.076	142	22836	16.182	ug/l	99
11) Tert butyl alcohol	4.966	59	42082	114.700	ug/l #	84
12) 1,1-Dichloroethene	3.863	96	23916	19.929	ug/l	97
13) Acrolein	3.723	56	20304	128.413	ug/l	99
14) Allyl chloride	4.466	41	42605	20.025	ug/l	97
15) Acrylonitrile	5.155	53	73568	119.706	ug/l	99
16) Acetone	3.954	43	84454	124.876	ug/l	99
17) Carbon Disulfide	4.180	76	35278	16.704	ug/l	99
18) Methyl Acetate	4.479	43	59527	24.019	ug/l	94
19) Methyl tert-butyl Ether	5.222	73	105069	20.592	ug/l	98
20) Methylene Chloride	4.710	84	50316	29.236	ug/l	88
21) trans-1,2-Dichloroethene	5.210	96	25930	19.156	ug/l	95
22) Diisopropyl ether	6.112	45	109381	20.603	ug/l	95
23) Vinyl Acetate	6.058	43	323233	102.036	ug/l #	93
24) 1,1-Dichloroethane	6.009	63	59725	20.779	ug/l	99
25) 2-Butanone	6.984	43	118673	123.931	ug/l	100
26) 2,2-Dichloropropane	6.978	77	52544	18.964	ug/l	99
27) cis-1,2-Dichloroethene	6.978	96	37364	20.207	ug/l	95
28) Bromochloromethane	7.332	49	28859	21.854	ug/l	95
29) Tetrahydrofuran	7.344	42	69247	120.940	ug/l	95
30) Chloroform	7.502	83	66537	20.650	ug/l	97
31) Cyclohexane	7.783	56	39342	19.730	ug/l #	83
32) 1,1,1-Trichloroethane	7.697	97	56427	20.580	ug/l	99
36) 1,1-Dichloropropene	7.911	75	40212	20.325	ug/l	99
37) Ethyl Acetate	7.070	43	43402	23.535	ug/l	96
38) Carbon Tetrachloride	7.899	117	47861	20.441	ug/l	96
39) Methylcyclohexane	9.179	83	43948	19.815	ug/l	95
40) Benzene	8.155	78	122548	20.488	ug/l	96

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Reviewed By :Romaben Patel 08/23/2023
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	19395m	20.396	ug/l	
42) 1,2-Dichloroethane	8.234	62	46161	21.250	ug/l	95
43) Isopropyl Acetate	8.271	43	75224	22.400	ug/l	99
44) Trichloroethene	8.941	130	36515	21.190	ug/l	95
45) 1,2-Dichloropropane	9.216	63	35780	21.213	ug/l	98
46) Dibromomethane	9.301	93	22584	21.230	ug/l	96
47) Bromodichloromethane	9.496	83	54336	21.405	ug/l	99
48) Methyl methacrylate	9.295	41	32166	22.391	ug/l	94
49) 1,4-Dioxane	9.301	88	10062	473.012	ug/l #	50
51) 4-Methyl-2-Pentanone	10.069	43	237847	122.205	ug/l	94
52) Toluene	10.240	92	82245	20.861	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	52865	19.816	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	56859	20.237	ug/l	94
55) 1,1,2-Trichloroethane	10.642	97	35584	21.999	ug/l	97
56) Ethyl methacrylate	10.508	69	49823	21.047	ug/l	91
57) 1,3-Dichloropropane	10.788	76	57867	21.897	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.782	63	122565	111.256	ug/l	94
59) 2-Hexanone	10.831	43	180189	125.091	ug/l	93
60) Dibromochloromethane	10.983	129	39626	20.537	ug/l	99
61) 1,2-Dibromoethane	11.087	107	32485	21.141	ug/l	100
64) Tetrachloroethene	10.715	164	39487	22.527	ug/l	95
65) Chlorobenzene	11.514	112	95436	20.818	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.587	131	38408	20.649	ug/l	99
67) Ethyl Benzene	11.593	91	162675	20.253	ug/l	98
68) m/p-Xylenes	11.703	106	123771	40.573	ug/l	97
69) o-Xylene	12.026	106	62035	20.413	ug/l	98
70) Styrene	12.044	104	107226	20.386	ug/l	97
71) Bromoform	12.209	173	27708	20.549	ug/l #	97
73) Isopropylbenzene	12.331	105	168488	20.400	ug/l	99
74) N-amyl acetate	12.142	43	62392	20.923	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.581	83	47428	22.048	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	30692m	19.668	ug/l	
77) Bromobenzene	12.611	156	40825	20.278	ug/l	95
78) n-propylbenzene	12.672	91	201156	20.510	ug/l	100
79) 2-Chlorotoluene	12.758	91	113522	20.064	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	138292	20.087	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.380	75	14428	20.308	ug/l	98
82) 4-Chlorotoluene	12.855	91	118315	20.241	ug/l	99
83) tert-Butylbenzene	13.075	119	126900	20.152	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	138796	20.175	ug/l	98
85) sec-Butylbenzene	13.251	105	189611	20.550	ug/l	100
86) p-Isopropyltoluene	13.367	119	155961	20.387	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	81371	20.378	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	82579	20.618	ug/l	98
89) n-Butylbenzene	13.696	91	147592	20.463	ug/l	96
90) Hexachloroethane	13.959	117	28853	19.012	ug/l	92
91) 1,2-Dichlorobenzene	13.739	146	76820	20.593	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	9493	22.781	ug/l	91
93) 1,2,4-Trichlorobenzene	15.007	180	49048	20.481	ug/l	99
94) Hexachlorobutadiene	15.111	225	27042	20.759	ug/l	99
95) Naphthalene	15.239	128	125691	21.069	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	45185	20.892	ug/l	98

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

