

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092923\
 Data File : VY015758.D
 Acq On : 29 Sep 2023 16:56
 Operator : SY/MD
 Sample : VY0929SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0929SBS01

Quant Time: Sep 30 01:13:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091923S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 20 01:39:40 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/02/2023
 Supervised By :Semsettin Yesilyurt 10/02/2023

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	163561	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.697	114	276456	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.496	117	256966	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	129699	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	78828	43.802	ug/l	0.02
Spiked Amount 50.000	Range 50	- 163	Recovery	=	87.600%	
35) Dibromofluoromethane	7.728	113	72024	43.527	ug/l	0.01
Spiked Amount 50.000	Range 54	- 147	Recovery	=	87.060%	
50) Toluene-d8	10.185	98	250904	44.721	ug/l	0.00
Spiked Amount 50.000	Range 58	- 134	Recovery	=	89.440%	
62) 4-Bromofluorobenzene	12.489	95	92938	42.211	ug/l	0.01
Spiked Amount 50.000	Range 30	- 143	Recovery	=	84.420%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	17247	15.997	ug/l	92
3) Chloromethane	2.113	50	21351	15.698	ug/l	98
4) Vinyl Chloride	2.253	62	25344	16.297	ug/l	95
5) Bromomethane	2.656	94	19554	15.034	ug/l	98
6) Chloroethane	2.796	64	18387	15.952	ug/l	99
7) Trichlorofluoromethane	3.125	101	46356	17.774	ug/l	96
8) Diethyl Ether	3.540	74	19957	17.944	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.906	101	30093	18.428	ug/l	92
10) Methyl Iodide	4.101	142	26852	15.949	ug/l	96
11) Tert butyl alcohol	5.027	59	41437	76.739	ug/l #	82
12) 1,1-Dichloroethene	3.875	96	23656	16.440	ug/l	93
13) Acrolein	3.747	56	16525	59.958	ug/l	98
14) Allyl chloride	4.491	41	46236	17.574	ug/l	93
15) Acrylonitrile	5.180	53	86047	105.463	ug/l	96
16) Acetone	3.973	43	116519	120.986	ug/l	92
17) Carbon Disulfide	4.198	76	34520	12.349	ug/l	98
18) Methyl Acetate	4.497	43	64384	19.925	ug/l	95
19) Methyl tert-butyl Ether	5.241	73	114176	19.482	ug/l	98
20) Methylene Chloride	4.722	84	51529	21.691	ug/l	93
21) trans-1,2-Dichloroethene	5.228	96	27919	16.975	ug/l	93
22) Diisopropyl ether	6.131	45	119455	18.867	ug/l	97
23) Vinyl Acetate	6.070	43	378198	96.774	ug/l	96
24) 1,1-Dichloroethane	6.027	63	62698	18.168	ug/l	96
25) 2-Butanone	7.003	43	149141	109.559	ug/l	96
26) 2,2-Dichloropropane	6.990	77	53337	16.909	ug/l	98
27) cis-1,2-Dichloroethene	6.996	96	39529	18.104	ug/l	94
28) Bromochloromethane	7.350	49	21772	23.253	ug/l	96
29) Tetrahydrofuran	7.368	42	80419	104.520	ug/l	93
30) Chloroform	7.515	83	70452	19.063	ug/l	99
31) Cyclohexane	7.795	56	39474	15.834	ug/l	89
32) 1,1,1-Trichloroethane	7.710	97	56684	18.579	ug/l	99
36) 1,1-Dichloropropene	7.923	75	40374	16.502	ug/l	98
37) Ethyl Acetate	7.088	43	51984	21.302	ug/l	96
38) Carbon Tetrachloride	7.911	117	47679	17.954	ug/l	96
39) Methylcyclohexane	9.191	83	43164	15.951	ug/l	96
40) Benzene	8.167	78	133414	17.882	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	23363	17.780	ug/l	95
42) 1,2-Dichloroethane	8.246	62	48407	18.944	ug/l	93
43) Isopropyl Acetate	8.283	43	84488	20.268	ug/l	99
44) Trichloroethene	8.947	130	38718	18.580	ug/l	97
45) 1,2-Dichloropropane	9.222	63	38877	18.685	ug/l	97
46) Dibromomethane	9.313	93	25471	19.138	ug/l	94
47) Bromodichloromethane	9.502	83	57619	19.423	ug/l	100
48) Methyl methacrylate	9.301	41	36103	19.731	ug/l	90
49) 1,4-Dioxane	9.331	88	12259	466.236	ug/l #	50
51) 4-Methyl-2-Pentanone	10.075	43	282964	109.516	ug/l	94
52) Toluene	10.252	92	86920	18.071	ug/l	95
53) t-1,3-Dichloropropene	10.471	75	59331	18.650	ug/l	97
54) cis-1,3-Dichloropropene	9.935	75	63563	18.562	ug/l	93
55) 1,1,2-Trichloroethane	10.648	97	39915	20.465	ug/l	96
56) Ethyl methacrylate	10.514	69	56460	19.643	ug/l	88
57) 1,3-Dichloropropane	10.795	76	63742	19.488	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	66620	72.967	ug/l	96
59) 2-Hexanone	10.837	43	230872	116.467	ug/l	92
60) Dibromochloromethane	10.990	129	44749	19.654	ug/l	99
61) 1,2-Dibromoethane	11.093	107	37275	19.535	ug/l	99
64) Tetrachloroethene	10.727	164	42159	19.122	ug/l	96
65) Chlorobenzene	11.526	112	104357	18.605	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.599	131	41508	19.051	ug/l	98
67) Ethyl Benzene	11.599	91	177537	18.109	ug/l	100
68) m/p-Xylenes	11.709	106	135149	36.268	ug/l	97
69) o-Xylene	12.038	106	66457	18.188	ug/l	100
70) Styrene	12.050	104	119263	19.068	ug/l	96
71) Bromoform	12.215	173	32055	20.303	ug/l #	98
73) Isopropylbenzene	12.337	105	180570	18.559	ug/l	99
74) N-amyl acetate	12.148	43	73573	20.119	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.587	83	54397	20.089	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	45135m	21.814	ug/l	
77) Bromobenzene	12.617	156	44115	18.471	ug/l	90
78) n-propylbenzene	12.678	91	221230	18.716	ug/l	100
79) 2-Chlorotoluene	12.764	91	125615	18.644	ug/l	100
80) 1,3,5-Trimethylbenzene	12.819	105	151720	18.627	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.386	75	18607	20.251	ug/l	94
82) 4-Chlorotoluene	12.861	91	134401	19.108	ug/l	99
83) tert-Butylbenzene	13.081	119	135348	18.972	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	154522	18.960	ug/l	98
85) sec-Butylbenzene	13.258	105	203552	19.066	ug/l	99
86) p-Isopropyltoluene	13.373	119	170227	19.088	ug/l	98
87) 1,3-Dichlorobenzene	13.373	146	91242	19.257	ug/l	99
88) 1,4-Dichlorobenzene	13.453	146	92231	19.463	ug/l	98
89) n-Butylbenzene	13.703	91	161635	19.140	ug/l	97
90) Hexachloroethane	13.965	117	32857	19.090	ug/l	90
91) 1,2-Dichlorobenzene	13.745	146	85128	19.463	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	11207	20.839	ug/l	88
93) 1,2,4-Trichlorobenzene	15.013	180	54445	19.773	ug/l	97
94) Hexachlorobutadiene	15.117	225	28257	20.039	ug/l	98
95) Naphthalene	15.239	128	146522	20.407	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	51488	20.259	ug/l	99

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

