

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091523\
 Data File : VY015606.D
 Acq On : 16 Sep 2023 06:41
 Operator : SY/MD
 Sample : 04419-15MS
 Misc : 5.40g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 DB-08(23-25)MS

Quant Time: Sep 16 07:03:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 31 20:01:47 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/18/2023
 Supervised By :Semsettin Yesilyurt 09/18/2023

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	193015	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.703	114	330835	50.000	ug/l	0.02
63) Chlorobenzene-d5	11.496	117	295330	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	144271	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	91539	44.241	ug/l	0.02
Spiked Amount 50.000	Range 50 - 163		Recovery =	88.480%		
35) Dibromofluoromethane	7.728	113	84339	44.260	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery =	88.520%		
50) Toluene-d8	10.191	98	279027	40.435	ug/l	0.01
Spiked Amount 50.000	Range 58 - 134		Recovery =	80.860%		
62) 4-Bromofluorobenzene	12.489	95	108359	42.298	ug/l	0.01
Spiked Amount 50.000	Range 30 - 143		Recovery =	84.600%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.912	85	62367	37.172	ug/l	97
3) Chloromethane	2.119	50	94608	42.459	ug/l	100
4) Vinyl Chloride	2.260	62	109866	42.361	ug/l	94
5) Bromomethane	2.650	94	85738	46.460	ug/l	99
6) Chloroethane	2.796	64	78448	46.018	ug/l	99
7) Trichlorofluoromethane	3.131	101	164751	44.908	ug/l	99
8) Diethyl Ether	3.540	74	64060	51.094	ug/l	88
9) 1,1,2-Trichlorotrifluo...	3.912	101	98038	48.215	ug/l	96
10) Methyl Iodide	4.101	142	119004	49.838	ug/l	97
11) Tert butyl alcohol	4.972	59	98657	211.863	ug/l #	80
12) 1,1-Dichloroethene	3.881	96	93809	48.892	ug/l	93
13) Acrolein	3.741	56	58835	109.231	ug/l	100
14) Allyl chloride	4.491	41	153733	50.324	ug/l	96
15) Acrylonitrile	5.174	53	212197	268.968	ug/l	98
16) Acetone	3.960	43	239362	277.158	ug/l	94
17) Carbon Disulfide	4.204	76	267189	46.580	ug/l	98
18) Methyl Acetate	4.491	43	216980	69.365	ug/l	93
19) Methyl tert-butyl Ether	5.235	73	326282	52.322	ug/l	100
20) Methylene Chloride	4.735	84	137839	49.751	ug/l	90
21) trans-1,2-Dichloroethene	5.235	96	108194	48.969	ug/l	98
22) Diisopropyl ether	6.137	45	337748	50.552	ug/l #	86
23) Vinyl Acetate	6.076	43	354566	84.052	ug/l	95
24) 1,1-Dichloroethane	6.033	63	197060	51.022	ug/l	96
25) 2-Butanone	6.996	43	336314	274.562	ug/l	97
26) 2,2-Dichloropropane	6.996	77	140164	42.728	ug/l	97
27) cis-1,2-Dichloroethene	7.003	96	127110	50.713	ug/l	93
28) Bromochloromethane	7.350	49	50453	42.598	ug/l	96
29) Tetrahydrofuran	7.362	42	211457	274.900	ug/l	93
30) Chloroform	7.521	83	206336	50.820	ug/l	96
31) Cyclohexane	7.801	56	174007	47.344	ug/l	92
32) 1,1,1-Trichloroethane	7.716	97	185598	51.178	ug/l	99
36) 1,1-Dichloropropene	7.929	75	156856	46.880	ug/l	100
37) Ethyl Acetate	7.088	43	121528	47.094	ug/l	97
38) Carbon Tetrachloride	7.911	117	163462	47.302	ug/l	98
39) Methylcyclohexane	9.191	83	200683	47.642	ug/l	95
40) Benzene	8.173	78	449378	48.139	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	60010m	49.590	ug/l	
42) 1,2-Dichloroethane	8.246	62	147860	47.500	ug/l	95
43) Isopropyl Acetate	8.283	43	222882	49.948	ug/l	98
44) Trichloroethene	8.947	130	133312	50.474	ug/l	98
45) 1,2-Dichloropropane	9.228	63	115111	48.915	ug/l	98
46) Dibromomethane	9.313	93	74982	47.968	ug/l	96
47) Bromodichloromethane	9.508	83	162912	48.734	ug/l	98
48) Methyl methacrylate	9.301	41	109219	53.346	ug/l	90
49) 1,4-Dioxane	9.307	88	29579	1018.724	ug/l #	53
51) 4-Methyl-2-Pentanone	10.081	43	682613	263.192	ug/l	94
52) Toluene	10.252	92	287264	48.012	ug/l	94
53) t-1,3-Dichloropropene	10.471	75	165904	46.698	ug/l	100
54) cis-1,3-Dichloropropene	9.935	75	180834	46.792	ug/l	94
55) 1,1,2-Trichloroethane	10.654	97	105489	50.084	ug/l	94
56) Ethyl methacrylate	10.520	69	140020	44.861	ug/l	89
57) 1,3-Dichloropropane	10.801	76	176711	48.739	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.789	63	241992	217.213	ug/l	94
59) 2-Hexanone	10.837	43	518056	266.202	ug/l	91
60) Dibromochloromethane	10.996	129	123515	50.102	ug/l	99
61) 1,2-Dibromoethane	11.099	107	105976	49.656	ug/l	99
64) Tetrachloroethene	10.727	164	172276	64.268	ug/l	98
65) Chlorobenzene	11.526	112	306739	48.199	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.599	131	116832	50.157	ug/l	98
67) Ethyl Benzene	11.599	91	552489	48.348	ug/l	98
68) m/p-Xylenes	11.709	106	428588	96.759	ug/l	95
69) o-Xylene	12.038	106	209378	49.461	ug/l	98
70) Styrene	12.050	104	349080	49.043	ug/l	97
71) Bromoform	12.215	173	85112	52.381	ug/l #	99
73) Isopropylbenzene	12.337	105	549081	50.669	ug/l	99
74) N-amyl acetate	12.148	43	167271	45.944	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	12.587	83	123841	47.872	ug/l	98
76) 1,2,3-Trichloropropane	12.642	75	111839m	58.457	ug/l	
77) Bromobenzene	12.617	156	129284	50.371	ug/l	97
78) n-propylbenzene	12.678	91	644947	49.185	ug/l	100
79) 2-Chlorotoluene	12.764	91	377324	51.304	ug/l	98
80) 1,3,5-Trimethylbenzene	12.819	105	516785	57.014	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.386	75	41882	48.290	ug/l	97
82) 4-Chlorotoluene	12.861	91	369230	48.305	ug/l	100
83) tert-Butylbenzene	13.081	119	402894	50.748	ug/l	99
84) 1,2,4-Trimethylbenzene	13.130	105	607011	67.448	ug/l	99
85) sec-Butylbenzene	13.258	105	597863	50.489	ug/l	99
86) p-Isopropyltoluene	13.373	119	490285	49.401	ug/l	98
87) 1,3-Dichlorobenzene	13.373	146	243297	48.016	ug/l	99
88) 1,4-Dichlorobenzene	13.453	146	239945	46.846	ug/l	99
89) n-Butylbenzene	13.703	91	456895	48.913	ug/l	93
90) Hexachloroethane	13.971	117	99122	55.844	ug/l	85
91) 1,2-Dichlorobenzene	13.745	146	228498	49.415	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	27440	53.621	ug/l	92
93) 1,2,4-Trichlorobenzene	15.013	180	129311	44.529	ug/l	98
94) Hexachlorobutadiene	15.117	225	73982	46.721	ug/l	98
95) Naphthalene	15.239	128	400913	55.733	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	119564	45.139	ug/l	98

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

