

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111623\
 Data File : VY016380.D
 Acq On : 16 Nov 2023 11:05
 Operator : SY/MD
 Sample : VY1116SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1116SBS01

Quant Time: Nov 17 04:02:10 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 09 00:45:52 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/17/2023
 Supervised By :Semsettin Yesilyurt 11/17/2023

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	154963	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	249477	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.495	117	219559	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	102438	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	72883	51.460	ug/l	-0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.920%			
35) Dibromofluoromethane	7.722	113	74694	52.706	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.420%			
50) Toluene-d8	10.185	98	289566	50.386	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.780%			
62) 4-Bromofluorobenzene	12.483	95	94926	50.857	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 101.720%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	28998	19.111	ug/l	99
3) Chloromethane	2.113	50	31310	17.619	ug/l	97
4) Vinyl Chloride	2.253	62	33882	17.731	ug/l	98
5) Bromomethane	2.649	94	22252	17.719	ug/l	98
6) Chloroethane	2.796	64	22350	18.330	ug/l	95
7) Trichlorofluoromethane	3.125	101	54578	19.632	ug/l	99
8) Diethyl Ether	3.533	74	16845	20.273	ug/l	81
9) 1,1,2-Trichlorotrifluo...	3.899	101	33247	19.856	ug/l	95
10) Methyl Iodide	4.094	142	31528	17.434	ug/l	99
11) Tert butyl alcohol	4.966	59	11328	102.139	ug/l #	89
12) 1,1-Dichloroethene	3.875	96	29333	18.732	ug/l	86
13) Acrolein	3.728	56	12889	96.349	ug/l	99
14) Allyl chloride	4.484	41	40423	18.191	ug/l #	92
15) Acrylonitrile	5.167	53	35568	107.867	ug/l	97
16) Acetone	3.948	43	31928	136.285	ug/l #	88
17) Carbon Disulfide	4.198	76	79100	16.741	ug/l	98
18) Methyl Acetate	4.484	43	26376	21.188	ug/l #	90
19) Methyl tert-butyl Ether	5.222	73	76081	20.074	ug/l	99
20) Methylene Chloride	4.722	84	38319	21.145	ug/l	90
21) trans-1,2-Dichloroethene	5.228	96	33805	18.749	ug/l	91
22) Diisopropyl ether	6.124	45	95265	19.892	ug/l #	86
23) Vinyl Acetate	6.063	43	228426	98.437	ug/l #	92
24) 1,1-Dichloroethane	6.021	63	57768	19.553	ug/l	96
25) 2-Butanone	6.990	43	49452	120.514	ug/l	94
26) 2,2-Dichloropropane	6.984	77	53707	19.973	ug/l	97
27) cis-1,2-Dichloroethene	6.990	96	37964	19.538	ug/l	92
28) Bromochloromethane	7.338	49	22109	20.219	ug/l	84
29) Tetrahydrofuran	7.356	42	28316	104.401	ug/l	89
30) Chloroform	7.508	83	62505	20.325	ug/l	98
31) Cyclohexane	7.789	56	48931	17.548	ug/l	86
32) 1,1,1-Trichloroethane	7.709	97	56988	20.216	ug/l	96
36) 1,1-Dichloropropene	7.923	75	47511	19.307	ug/l	99
37) Ethyl Acetate	7.075	43	19358	19.469	ug/l #	92
38) Carbon Tetrachloride	7.905	117	51349	20.106	ug/l	99
39) Methylcyclohexane	9.185	83	55859	18.217	ug/l	89
40) Benzene	8.167	78	136517	19.746	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	8704	17.362	ug/l #	83
42) 1,2-Dichloroethane	8.240	62	37229	20.782	ug/l	94
43) Isopropyl Acetate	8.276	43	37674	19.602	ug/l #	89
44) Trichloroethene	8.947	130	38809	19.531	ug/l	94
45) 1,2-Dichloropropane	9.221	63	33172	19.978	ug/l	94
46) Dibromomethane	9.307	93	18472	20.530	ug/l	97
47) Bromodichloromethane	9.502	83	47796	20.662	ug/l	99
48) Methyl methacrylate	9.294	41	20721	19.508	ug/l #	85
49) 1,4-Dioxane	9.301	88	3988	417.486	ug/l #	63
51) 4-Methyl-2-Pentanone	10.075	43	102053	105.005	ug/l	91
52) Toluene	10.246	92	86361	19.761	ug/l	94
53) t-1,3-Dichloropropene	10.471	75	45640	20.352	ug/l	97
54) cis-1,3-Dichloropropene	9.935	75	53577	20.003	ug/l	88
55) 1,1,2-Trichloroethane	10.648	97	26537	21.398	ug/l	93
56) Ethyl methacrylate	10.514	69	24084	20.573	ug/l #	82
57) 1,3-Dichloropropane	10.794	76	44407	21.007	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.788	63	80954	101.983	ug/l	94
59) 2-Hexanone	10.837	43	81541	112.796	ug/l	89
60) Dibromochloromethane	10.989	129	33381	21.522	ug/l	99
61) 1,2-Dibromoethane	11.093	107	24876	21.054	ug/l	99
64) Tetrachloroethene	10.721	164	38433	19.495	ug/l	96
65) Chlorobenzene	11.520	112	94370	20.118	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	35152	20.317	ug/l	97
67) Ethyl Benzene	11.599	91	165967	19.687	ug/l	99
68) m/p-Xylenes	11.703	106	125960	39.392	ug/l	95
69) o-Xylene	12.032	106	59064	19.895	ug/l	97
70) Styrene	12.050	104	85777	20.178	ug/l	98
71) Bromoform	12.215	173	19106	21.282	ug/l #	98
73) Isopropylbenzene	12.331	105	163158	19.669	ug/l	100
74) N-amyl acetate	12.148	43	32099	19.265	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.587	83	28814	21.647	ug/l	100
76) 1,2,3-Trichloropropane	12.635	75	19741m	20.089	ug/l	
77) Bromobenzene	12.611	156	38194	20.372	ug/l	94
78) n-propylbenzene	12.678	91	193140	19.702	ug/l	99
79) 2-Chlorotoluene	12.763	91	106362	19.687	ug/l	99
80) 1,3,5-Trimethylbenzene	12.818	105	132800	19.856	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.379	75	9011	19.904	ug/l	95
82) 4-Chlorotoluene	12.861	91	110984	19.881	ug/l	98
83) tert-Butylbenzene	13.080	119	116488	19.774	ug/l	97
84) 1,2,4-Trimethylbenzene	13.123	105	131456	19.962	ug/l	99
85) sec-Butylbenzene	13.257	105	166818	19.822	ug/l	100
86) p-Isopropyltoluene	13.373	119	144269	19.908	ug/l	98
87) 1,3-Dichlorobenzene	13.373	146	73217	20.299	ug/l	99
88) 1,4-Dichlorobenzene	13.452	146	71212	20.202	ug/l	99
89) n-Butylbenzene	13.702	91	132732	19.833	ug/l	97
90) Hexachloroethane	13.964	117	27566	19.719	ug/l	93
91) 1,2-Dichlorobenzene	13.745	146	62070	20.082	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	4063	19.185	ug/l	86
93) 1,2,4-Trichlorobenzene	15.013	180	36169	20.048	ug/l	99
94) Hexachlorobutadiene	15.117	225	21722	21.016	ug/l	99
95) Naphthalene	15.239	128	63313	19.622	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	29322	19.650	ug/l	98

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

