

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102623\
 Data File : VY016084.D
 Acq On : 26 Oct 2023 17:55
 Operator : SY/MD
 Sample : VY1026SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1026SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 10/27/2023
 Supervised By :Semsettin Yesilyurt 10/27/2023

Quant Time: Oct 27 04:20:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102623S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 27 04:12:29 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	197385	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	318255	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	288285	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	146558	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	103875	52.924	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.840%			
35) Dibromofluoromethane	7.716	113	104417	51.971	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.940%			
50) Toluene-d8	10.179	98	388376	52.186	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 104.380%			
62) 4-Bromofluorobenzene	12.483	95	136224	53.362	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 106.720%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	27661	20.306	ug/l	99
3) Chloromethane	2.113	50	35021	20.980	ug/l	99
4) Vinyl Chloride	2.247	62	39839	20.891	ug/l	96
5) Bromomethane	2.638	94	30311	21.385	ug/l	97
6) Chloroethane	2.784	64	27130	20.770	ug/l	98
7) Trichlorofluoromethane	3.119	101	64209	21.040	ug/l	97
8) Diethyl Ether	3.528	74	23003	22.489	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.900	101	39064	21.219	ug/l	95
10) Methyl Iodide	4.088	142	48854	20.769	ug/l	97
11) Tert butyl alcohol	4.942	59	36275	157.917	ug/l #	92
12) 1,1-Dichloroethene	3.869	96	35766	21.205	ug/l	89
13) Acrolein	3.723	56	27026	110.555	ug/l	98
14) Allyl chloride	4.473	41	56653	21.487	ug/l	93
15) Acrylonitrile	5.155	53	57264	114.123	ug/l	97
16) Acetone	3.942	43	58060	109.138	ug/l	90
17) Carbon Disulfide	4.192	76	97711	20.943	ug/l	100
18) Methyl Acetate	4.473	43	41981	22.320	ug/l	92
19) Methyl tert-butyl Ether	5.216	73	106250	22.089	ug/l	99
20) Methylene Chloride	4.710	84	57497	24.823	ug/l	91
21) trans-1,2-Dichloroethene	5.216	96	41947	21.455	ug/l	93
22) Diisopropyl ether	6.113	45	127153	22.055	ug/l	93
23) Vinyl Acetate	6.058	43	344953	111.672	ug/l #	93
24) 1,1-Dichloroethane	6.015	63	75572	21.757	ug/l	97
25) 2-Butanone	6.984	43	80435	112.026	ug/l	95
26) 2,2-Dichloropropane	6.978	77	67845	21.011	ug/l	99
27) cis-1,2-Dichloroethene	6.978	96	49328	21.483	ug/l	93
28) Bromochloromethane	7.332	49	32175	22.643	ug/l	92
29) Tetrahydrofuran	7.344	42	47557	115.440	ug/l	91
30) Chloroform	7.503	83	78835	21.486	ug/l	95
31) Cyclohexane	7.783	56	65058	21.070	ug/l	88
32) 1,1,1-Trichloroethane	7.698	97	70118	21.305	ug/l	98
36) 1,1-Dichloropropene	7.917	75	58757	20.980	ug/l	99
37) Ethyl Acetate	7.070	43	33201	23.129	ug/l #	95
38) Carbon Tetrachloride	7.899	117	62366	21.058	ug/l	99
39) Methylcyclohexane	9.179	83	70692	20.720	ug/l	92
40) Benzene	8.161	78	170815	21.543	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	14890	19.820	ug/l #	88
42) 1,2-Dichloroethane	8.234	62	50045	21.843	ug/l	94
43) Isopropyl Acetate	8.271	43	60676	22.607	ug/l	93
44) Trichloroethene	8.941	130	46972	21.215	ug/l	95
45) 1,2-Dichloropropane	9.216	63	43330	21.592	ug/l	99
46) Dibromomethane	9.307	93	26556	22.569	ug/l	95
47) Bromodichloromethane	9.496	83	61811	21.721	ug/l	99
48) Methyl methacrylate	9.295	41	26512	21.441	ug/l	88
49) 1,4-Dioxane	9.295	88	7171	487.102	ug/l #	59
51) 4-Methyl-2-Pentanone	10.069	43	163313	115.316	ug/l	92
52) Toluene	10.240	92	110316	21.666	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	62572	21.502	ug/l	97
54) cis-1,3-Dichloropropene	9.929	75	71791	21.815	ug/l #	88
55) 1,1,2-Trichloroethane	10.642	97	37308	22.315	ug/l	96
56) Ethyl methacrylate	10.508	69	48810	22.717	ug/l #	85
57) 1,3-Dichloropropane	10.789	76	62537	22.377	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	120416	112.577	ug/l	94
59) 2-Hexanone	10.831	43	120953	115.940	ug/l	89
60) Dibromochloromethane	10.984	129	45230	22.093	ug/l	100
61) 1,2-Dibromoethane	11.087	107	35822	22.376	ug/l	100
64) Tetrachloroethene	10.721	164	41227	21.610	ug/l	97
65) Chlorobenzene	11.514	112	122957	21.704	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	46470	21.964	ug/l	98
67) Ethyl Benzene	11.593	91	215502	21.416	ug/l	97
68) m/p-Xylenes	11.703	106	168573	43.289	ug/l	94
69) o-Xylene	12.026	106	80319	21.544	ug/l	96
70) Styrene	12.044	104	134842	21.698	ug/l	96
71) Bromoform	12.209	173	28507	22.120	ug/l #	98
73) Isopropylbenzene	12.331	105	214336	20.781	ug/l	100
74) N-amyl acetate	12.142	43	54918	21.836	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.581	83	46027	21.830	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	32089m	21.446	ug/l	
77) Bromobenzene	12.611	156	50728	21.074	ug/l	100
78) n-propylbenzene	12.672	91	258963	20.736	ug/l	98
79) 2-Chlorotoluene	12.758	91	146192	20.902	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	179646	20.978	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	14257	20.706	ug/l	97
82) 4-Chlorotoluene	12.855	91	152279	20.994	ug/l	100
83) tert-Butylbenzene	13.075	119	159464	20.949	ug/l	97
84) 1,2,4-Trimethylbenzene	13.117	105	178767	21.137	ug/l	98
85) sec-Butylbenzene	13.251	105	239298	21.107	ug/l	100
86) p-Isopropyltoluene	13.367	119	198649	20.999	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	102608	21.110	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	101550	21.139	ug/l	98
89) n-Butylbenzene	13.697	91	186470	21.131	ug/l	97
90) Hexachloroethane	13.959	117	38420	20.860	ug/l	89
91) 1,2-Dichlorobenzene	13.739	146	90722	21.081	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	7371	22.269	ug/l	90
93) 1,2,4-Trichlorobenzene	15.007	180	58617	22.016	ug/l	99
94) Hexachlorobutadiene	15.111	225	33135	21.443	ug/l	100
95) Naphthalene	15.233	128	116179	22.375	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	51474	22.419	ug/l	99

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

