

Report of Analysis

Client: ICE Service Group, Inc.
Project: NWIRP Northrup Grumman Site – Bethpage, NY
Client Sample ID: VY1021SBSD01
Lab Sample ID: VY1021SBSD01
Analytical Method: 8260D
Sample Wt/Vol: 5 g

Level: LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3399
Matrix: SOIL
% Solid: 100
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
75-71-8	Dichlorodifluoromethane	20.9		1	1.10	4.00	5.00	ug/Kg	10/21/25 10:27	VY102125
74-87-3	Chloromethane	19.3		1	1.10	2.50	5.00	ug/Kg	10/21/25 10:27	VY102125
75-01-4	Vinyl Chloride	20.0		1	0.79	2.50	5.00	ug/Kg	10/21/25 10:27	VY102125
74-83-9	Bromomethane	20.7		1	1.10	4.00	5.00	ug/Kg	10/21/25 10:27	VY102125
75-00-3	Chloroethane	21.4		1	1.30	2.50	5.00	ug/Kg	10/21/25 10:27	VY102125
75-69-4	Trichlorofluoromethane	20.6		1	1.20	4.00	5.00	ug/Kg	10/21/25 10:27	VY102125
76-13-1	1,1,2-Trichlorotrifluoroethane	20.7		1	1.10	2.50	5.00	ug/Kg	10/21/25 10:27	VY102125
75-35-4	1,1-Dichloroethene	20.6		1	1.00	2.50	5.00	ug/Kg	10/21/25 10:27	VY102125
67-64-1	Acetone	120		1	4.70	20.0	25.0	ug/Kg	10/21/25 10:27	VY102125
75-15-0	Carbon Disulfide	19.7		1	1.10	4.00	5.00	ug/Kg	10/21/25 10:27	VY102125
1634-04-4	Methyl tert-butyl Ether	18.2		1	0.73	2.50	5.00	ug/Kg	10/21/25 10:27	VY102125
79-20-9	Methyl Acetate	15.6		1	1.50	4.00	5.00	ug/Kg	10/21/25 10:27	VY102125
75-09-2	Methylene Chloride	18.9		1	3.50	8.00	10.0	ug/Kg	10/21/25 10:27	VY102125
156-60-5	trans-1,2-Dichloroethene	20.6		1	0.86	2.50	5.00	ug/Kg	10/21/25 10:27	VY102125
75-34-3	1,1-Dichloroethane	20.6		1	0.80	2.50	5.00	ug/Kg	10/21/25 10:27	VY102125
110-82-7	Cyclohexane	18.6		1	0.79	2.50	5.00	ug/Kg	10/21/25 10:27	VY102125
78-93-3	2-Butanone	100		1	6.50	20.0	25.0	ug/Kg	10/21/25 10:27	VY102125
56-23-5	Carbon Tetrachloride	21.0		1	0.97	2.50	5.00	ug/Kg	10/21/25 10:27	VY102125
156-59-2	cis-1,2-Dichloroethene	20.5		1	0.75	2.50	5.00	ug/Kg	10/21/25 10:27	VY102125
74-97-5	Bromochloromethane	19.6		1	1.20	4.00	5.00	ug/Kg	10/21/25 10:27	VY102125
67-66-3	Chloroform	21.0		1	0.84	4.00	5.00	ug/Kg	10/21/25 10:27	VY102125
71-55-6	1,1,1-Trichloroethane	20.8		1	0.93	2.50	5.00	ug/Kg	10/21/25 10:27	VY102125
108-87-2	Methylcyclohexane	19.5		1	0.91	2.50	5.00	ug/Kg	10/21/25 10:27	VY102125
71-43-2	Benzene	21.6		1	0.79	2.50	5.00	ug/Kg	10/21/25 10:27	VY102125
107-06-2	1,2-Dichloroethane	20.0		1	0.79	2.50	5.00	ug/Kg	10/21/25 10:27	VY102125
79-01-6	Trichloroethene	21.2		1	0.81	2.50	5.00	ug/Kg	10/21/25 10:27	VY102125
78-87-5	1,2-Dichloropropane	20.7		1	0.91	2.50	5.00	ug/Kg	10/21/25 10:27	VY102125
75-27-4	Bromodichloromethane	21.2		1	0.78	2.50	5.00	ug/Kg	10/21/25 10:27	VY102125
108-10-1	4-Methyl-2-Pentanone	86.8		1	3.60	12.5	25.0	ug/Kg	10/21/25 10:27	VY102125
108-88-3	Toluene	21.4		1	0.78	2.50	5.00	ug/Kg	10/21/25 10:27	VY102125
10061-02-6	t-1,3-Dichloropropene	19.5		1	0.65	2.50	5.00	ug/Kg	10/21/25 10:27	VY102125
10061-01-5	cis-1,3-Dichloropropene	20.2		1	0.62	2.50	5.00	ug/Kg	10/21/25 10:27	VY102125
79-00-5	1,1,2-Trichloroethane	20.2		1	0.92	2.50	5.00	ug/Kg	10/21/25 10:27	VY102125
591-78-6	2-Hexanone	96.5		1	3.70	12.5	25.0	ug/Kg	10/21/25 10:27	VY102125
124-48-1	Dibromochloromethane	20.5		1	0.87	2.50	5.00	ug/Kg	10/21/25 10:27	VY102125
106-93-4	1,2-Dibromoethane	20.2		1	0.88	2.50	5.00	ug/Kg	10/21/25 10:27	VY102125
127-18-4	Tetrachloroethene	22.1		1	1.10	2.50	5.00	ug/Kg	10/21/25 10:27	VY102125
108-90-7	Chlorobenzene	21.2		1	0.91	2.50	5.00	ug/Kg	10/21/25 10:27	VY102125
100-41-4	Ethyl Benzene	20.8		1	0.67	2.50	5.00	ug/Kg	10/21/25 10:27	VY102125
179601-23-1	m/p-Xylenes	42.7		1	1.20	5.00	10.0	ug/Kg	10/21/25 10:27	VY102125
95-47-6	o-Xylene	20.7		1	0.82	2.50	5.00	ug/Kg	10/21/25 10:27	VY102125
100-42-5	Styrene	20.5		1	0.71	2.50	5.00	ug/Kg	10/21/25 10:27	VY102125
75-25-2	Bromoform	19.6		1	0.86	2.50	5.00	ug/Kg	10/21/25 10:27	VY102125

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Sample Wt/Vol: 5 g

Level: LOW
Final Vol: 5000 uL

Date Collected:
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SDG No.: Q3399
Matrix: SOIL
% Solid: 100
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	20.3		1	0.78	2.50	5.00	ug/Kg	10/21/25 10:27	VY102125
79-34-5	1,1,2,2-Tetrachloroethane	18.8		1	1.20	2.50	5.00	ug/Kg	10/21/25 10:27	VY102125
541-73-1	1,3-Dichlorobenzene	20.8		1	1.70	2.50	5.00	ug/Kg	10/21/25 10:27	VY102125
106-46-7	1,4-Dichlorobenzene	20.6		1	1.60	2.50	5.00	ug/Kg	10/21/25 10:27	VY102125
95-50-1	1,2-Dichlorobenzene	20.5		1	1.50	2.50	5.00	ug/Kg	10/21/25 10:27	VY102125
96-12-8	1,2-Dibromo-3-Chloropropane	17.3		1	1.80	4.00	5.00	ug/Kg	10/21/25 10:27	VY102125
120-82-1	1,2,4-Trichlorobenzene	19.1		1	3.00	4.00	5.00	ug/Kg	10/21/25 10:27	VY102125
87-61-6	1,2,3-Trichlorobenzene	18.8		1	3.20	4.00	5.00	ug/Kg	10/21/25 10:27	VY102125

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	45.6			71 - 136		91%	SPK: 50
1868-53-7	Dibromofluoromethane	49.6			78 - 119		99%	SPK: 50
2037-26-5	Toluene-d8	49.7			85 - 116		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.7			79 - 119		95%	SPK: 50

INTERNAL STANDARDS

INTERNAL STANDARDS		Area Count
363-72-4	Pentafluorobenzene	508000
540-36-3	1,4-Difluorobenzene	738000
3114-55-4	Chlorobenzene-d5	649000
3855-82-1	1,4-Dichlorobenzene-d4	346000

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products